SS-123

GE Lighting

Stage/Studio Lamp Catalog

Including High-Voltage Stage/Studio Quartz Lamps

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Burbank, CA.

STAGE/STUDIO

Introduction

The Stage/Studio Lamp Catalog provides essential technical data for GE lamps used in stage and studio lighting applications. Additions to this catalog include high-voltage PAR, linear and planar-filament lamps. These new products *are manufactured to the same quality and performance levels* that GE Lighting customers have come to expect.

Lamp listings are grouped into easy to use tables. Following is an explanation of the construction and use of these tables.

Lamp Codes

GE lamps used in stage/studio applications are "coded" in several ways.

ANSI Codes are 3-letter codes assigned by the American National Standards Institute. They provide a system for assuring mechanical and electrical interchangeability among similarly coded lamps of various manufacturers. The letters have no meaning other than to identify the lamp dimensional, electrical and photometric characteristics that are on file with ANSI. Some GE lamps have a multiple code (examples: BFL/BFK, DYS/DYV/BHC). The first code is the official ANSI code, but the lamp also meets or exceeds the described characteristics for the other code(s), and may be used to replace lamps of either code.

LIF Codes are assigned by the Lighting Industry Federation Limited in London England. They also provide a system for assuring mechanical and electrical interchangeability among similarly coded lamps of various manufacturers.

LAMP CATALOG

Large Lamp Codes (Lamp Description) are made up of numbers and letters, that describe properties of the lamp — generally wattage plus bulb shape and size. An initial letter "Q" indicates a GE Quartzline tungsten-halogen lamp. For GE Large Lamps specifically designed as stage/studio types, the assigned 3-letter ANSI Code is combined with the Large Lamp Code (example: FEL-Q1000/4CL).

Miniature Lamp Codes (used herein for several PAR and R lamps) consist only of numbers. They are also assigned by ANSI, to identify lamps of all manufacturers for interchangeability.

GE Ordering Codes are unique 5-digit codes assigned by GE and used to assure proper delivery of lamp type ordered. **Please use these codes when ordering lamps.**

Lamp Indexes

If you are seeking data for a particular ANSI or LIF coded lamp, check the alphabetical indexes on page 4 for the page number. If you know only the wattage or the Large Lamp Code, see the wattage index on page 5. These indexes show *all* the individual lamp types contained in tables 1-21. However, the GEMI,™ Precise,™ PAR & R and fluorescent lamps in tables 22-38 are not individually indexed. Instead, the Precise™ and PAR & R lamps are listed in tables by bulb size and shape.

Note: Many obsolete and/or non-GE codes are listed in the Substitute Guide (pages 26-28), along with currently available GE replacements.

Lamp Tables

Each of the lamp tables contains a "family" of lamps identified by the base description and the corresponding ANSI/IEC code. The similarity in configuration allows the lamps within each table to be interchangeable (subject to fixture limitations).

Footnotes

Throughout the lamp tables, numbers in parentheses indicate footnotes containing additional important information. If a particular footnote is not described below the table, it can be found on page 31.

Other GE Publications

For information on lamps not listed in this catalog, the following GE lamp catalogs may be helpful:

Projection Lamp & Equipment Guide #204-01016

Form 9200 Selection Guide for Quality Lighting (Large Lamps)

Miniature/Sealed Beam Catalog #208-11001

Important

This catalog contains accumulated data to January 1991. The data and suggested applications contained in this catalog, as well as any additional information our representative may be able to furnish, are for general information only and are not intended and should not be taken as representations or warranties as to the suitability of a lamp for any particular application or use in any particular equipment, nor are our representatives authorized to make any such representations or give any such warranties. GE reserves the right to add or delete products or to change the specifications and performance of products at any time without notice. Contact your GE Lighting representative to verify current availability and specifications of any lamp before ordering.

As with any product, certain precautions should be observed in the handling and use of GE Stage/Studio lamps to provide optimum performance and safety. These are given in the caution notices on page 31. Users are urged to read and comply with them. GE will not be responsible for failures, damage or injury caused by failure to follow instructions.

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BTL	10
BTM	10
BTN	10
BTP	10
BTR	10
BVT	10
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DVH	11
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DVY	8
DWA	23
DWC	20
DWE	23
DWH/DWJ	23
DWK	10
DWT	6
DWY	6
DWZ	6
DXB	20
DXC	20
DXK	23
DXN	6
DXW	6
DXX	6
DYA	6
DYG	8
DYH	8
DYJ	8
DYR	8
DYS/DYV/BHC	8
DZA	8
EAL	20
EBR	19
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ECA	15
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ECT	15
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EGC	13
EGE	13
EGF	13
EGG	13
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EXN	18
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EYC	18
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FCX	23
FCZ	7
FDB	7
FDF	7
FDN	7
FEL	8
*FEP	8
FER	6
FEV	9
*FEX	6
FEY	6
FFM	6
FFN	24
FFP	24
FFR	24
FFS	24
FFT	7
FGK	23
FGM	24
FGN	24
FGS	23
FGT	7
FHM	7
FKD	10
FKG	11
*FKH	11
*FKJ	11
FKK	12
*FKM	10
*FKN	10
FKT	8
*FMW	18
*FNV	18
*FRA	18
*FRB	18
*FTB	18
*FTC	18
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*CP24	11
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*CP39	11
*CP40	11
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*CP43	12
*CP51	10
*CP52	10
*CP53	16
CP60	24
CP61	24
CP62	24
*CP77	8
*CP86	24
*CP87	24
*CP88	24
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*M66	18
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*M70	18
*M71	18
*M80	18
*M81	18
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*P2/7	7
*P2/10	7
P2/11	7
*P2/12	7
P2/13	6
*P2/27	6
P2/28	7
P2/29	7
P2/30	7
P2/31	7
*T11	11
*T14	10
T17	10

*Indicates new product listing

Index by Wattage (Select Lamps)

Ordering Code **Page No.**

75 Watt
Q75CL 9

100 Watt
100A21/SP 14
100G16½/29DC 10
Q100CL/DC 9
Q100CL/MC 9
Q100CL/MC/2V 9
Q100CL/DC/2V 9
Q100MC 9
Q100MC/2V 9
Q100DC 9
Q100DC/2V 9
CDJ 12
CEB 12
CJX 12
EXV 18

150 Watt
Q150CL/DC/2V 9
Q150CL/MC/2V 9
Q150CL/DC 9
Q150CL/MC 9
Q150DC 9
Q150MC 9
BEC 12
CGP/CGF 12
EZK 18

200 Watt
Q200/4CL/DC 9
Q200T3 6
Q200T3/CL 6
BEJ 12
EXS 18

235 Watt
Q235T4/3 8

250 Watt
250G/FL 14
250G/SP 14
250T20/47 10
Q250CL/DC 9
Q250CL/MC 9
Q250DC 9
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Ordering Code **Page No.**

300 Watt
Q300T2½ 7
Q300T2½/CL 7
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BAH 15

350 Watt
Q350T3/CL/HIR 7
*FDF/HIR-Q350 T3/4 7

375 Watt
DWZ 6

400 Watt
400G/FL 14
400G/SP 14
Q400CL/MC 9
Q400MC 9
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420 Watt
EKB-Q420/4CL/2PP 8
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425 Watt
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500G/FL 14
500T12/8 13
500T12/9 13
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Q500T6/CL/P 10
Q500T6/4CL/2P 10
DMX-500T20P 10
EBV 15
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600 Watt
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DYS/DYV/BHC 8
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*Q625T3/4CL 7

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*Q650T8/4CL 11
DVY 8
DWY 23
DYJ 8
DYR 8
EKD-Q650/3CL/2PP 8
FAD-Q650T4/4CL 6
FBX-Q650T4/4 6
*FKH-Q650T8/4CL 11
*FKM-Q650T8/4CL 10
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*FFT/HIR-Q660T3/4 7

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750T14 11
750T20P/SP 10
750T24/16 11
Q750CL/P 13
Q750CL/TP 8
Q750/4CL 8
Q750/4CL/P 13
Q750T3/4 7
Q750T3/4CL 7
Q750T7/4CL 11
Q750T7/4CL/TP 11
Q750T7/CL/2P 10
Q750T7/4CL/2P 10
BFL/BFK 10

800 Watt
DXX-800T4/4CL 6
EME-Q800T3/4CL 7
EMF-Q800T3/4 7

900 Watt
Q900T3/CL/HIR 7

1000 Watt
1M/G40FL 14
1M/G40PSP 10
Q1000/4 8
Q1000/4CL 8
Q1000/4/P 13
Q1000/4CL/P 13
Q1000CL/P 13
Q1000PS52/4 15
Q1000T3/1CL 7
Q1000T3/3CL 7
Q1000T3/4 7
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Q1000T6/CL 6

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Q1000T6/4CL 6
Q1000T7/4CL 11
Q1000T7/4CL/BP 12
Q1000T7/4CL/TP 11
Q1000T7/4CL/2P 10
Q1000T7/CL/MP 10
Q1000T7/4CL/MP 10
*Q1000T8/CL 10,11
*Q1000T8/4CL 11
BRH 6
DPW-1M/T20P 16
DRB 10
DRC 10
DRS 10
DSB-1M/T20/40 16
DWK 10
DXN 6
DXW-Q1000T5/4CL 6
DYA-Q1000T5/1CL 6
ECV 15
*EKM-Q1MT3/4CL 7
FBY-Q1000T5/4 6
*FEP-Q1MT6/4CL 8
*FKD-Q1000T8/CL 10
*FKJ-Q1MT8/4CL 11
*FKN-Q1MT8/4CL 10

1050 Watt
ELJ 7

1250 Watt
*Q1250T3/4CL 7

1500 Watt
1500PS52/4 15
Q1500T4/4 7
Q1500T4/4CL 7
Q1500T10/4CL 12
DTJ-1500T20/39 16

2000 Watt
Q2000/4CL 14
Q2000/4CL/BP 12
Q2000T8/4CL 6
*Q2000T10/4CL 12,16
Q2000T10/4CL/MP . . .10
*FEX-Q2MT8/4CL 6
FKK-Q2MT10/4CL 12
*FTL-Q2000T10/4CL . . .11
*FTM-Q2000T10/4CL . . .11

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5M/G64/7 12

10,000 Watt
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*Indicates new product listing

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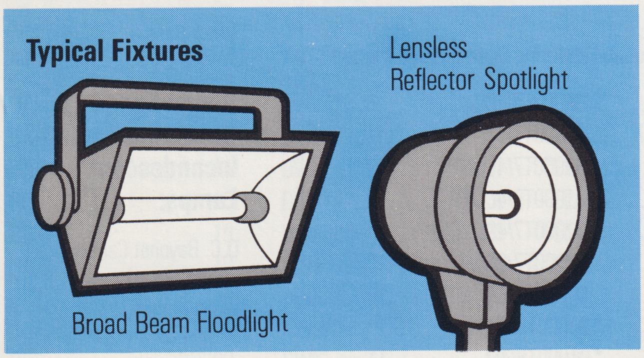
(E26) 14,15
Mogul Screw
(E39) 14,15
Miniature 2-Pin
(G5.3) 8
2-Pin Precise™
(GX5.3) 18
2-Pin Prefocus
(GY5.3) 18
2-Pin Precise™
(GZ4) 18
Medium 2-Pin
(G9.5) 8,11
Medium 2-Pin
(GX9.5) 11
2-Pin Prefocus
(GY9.5) 8
2-Pin Prefocus
(GY16) 12
Medium Bipost
(G22) 11
Mogul Bipost
(G38) 12
Medium Prefocus
(P28s) 10,13
Mogul Prefocus
(P40s) 10,16
Mini-Can Screw 9
Miniature Screw 9

Double-Ended Quartzline® Lamps:

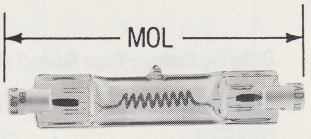
Recessed Single-Contact
(R7s) 6,7

Quartzline® Double Ended Lamps

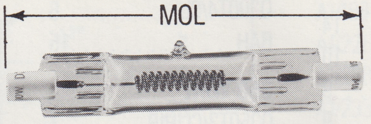
Compact CC-8 filaments



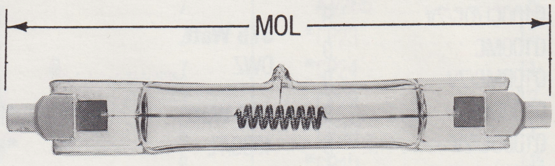
FAD



DXW



FER



FEY

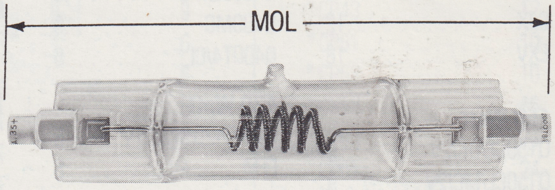


TABLE 1. **RECESSED SINGLE-CONTACT BASE (R7s)**

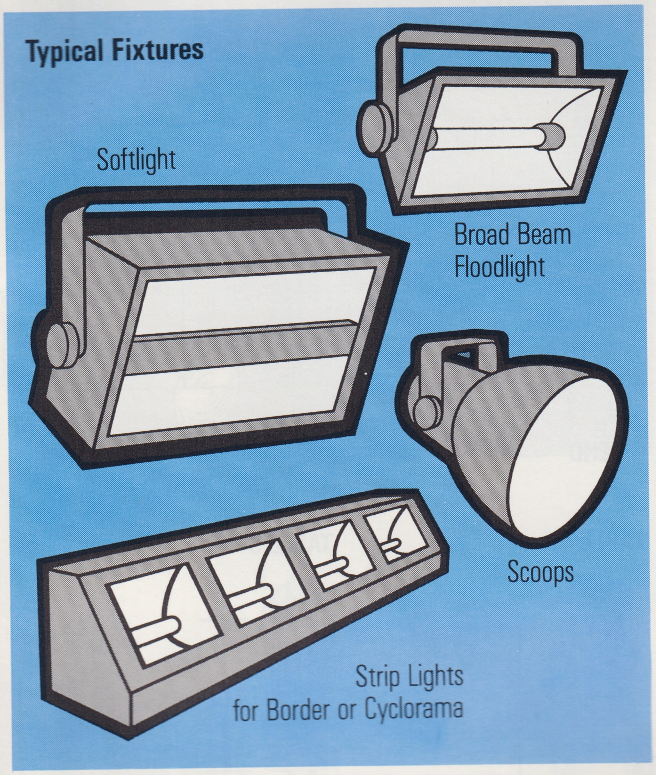
Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Lighted Length Inches	Lighted Length mm	Max. Overall Length – MOL Inches	Max. Overall Length – MOL mm
200	T-3	43713	**Q200T3/CL**	—	—	120	6	2850	1,500	3,460	15/16	23.8	3 1/8	79.4
		16580	**Q200T3(46)**	—	—	120	6	2850	1,500	3,350	(15)	—	3 1/8	79.4
300	T-4	43705	**Q300T4/CL**	EHP	—	120	6	2900	2,000	5,650	11/16	17.5	3 1/8	79.4
375	T-4	29578	**DWZ**	DWZ	A1/266	30	24	3000	1,000	7,500	3/8	9.5	3 1/8	79.4
400	T-4	43708	**Q400T4/CL**	EHR	—	120	6	2900	2,000	7,750	13/16	20.6	3 1/8	79.4
420	T-4	30276	**FFM**	FFM	—	120	24	3200	75	11,000	1/2	12.7	3 1/8	79.4
650	T-4	30325	**FAD-Q650T4/4CL**	FAD	P2/6	120	24	3200	100	16,500	5/8	15.9	3 1/8	79.4
		30343	**FBX-Q650T4/4(46)**	FBX	P2/6	120	24	3200	100	16,500	(15)	—	3 1/8	79.4
		30301	**DWY**	DWY	—	120	24	3400	25	20,000	5/8	15.9	3 1/8	79.4
800	T-4	30347	**DXX-Q800T4/4CL**	DXX	P2/13	220/230	24	3200	225	21,400	1	25.4	3 1/8	79.4
		30350	**DXX-Q800T4/4CL**	DXX	P2/13	240/250	24	3200	225	21,400	1	25.4	3 1/8	79.4
600	T-4	29598	**FCB**	FCB	A1/228	120	24	3250	75	17,000	11/16	17.5	3 3/4	95.3
1,000	T-5	30157	**DXW-Q1000T5/4CL**	DXW	—	120	24	3200	150	28,000	7/8	22.2	3 3/4	95.3
		30374	**FBY-Q1000T5/4(46)**	FBY	—	120	24	3200	150	26,000	(15)	—	3 3/4	95.3
		29604	**BRH**	BRH	—	120	24	3350	75	30,000	3/4	19.1	3 3/4	95.3
		30313	**DXN**	DXN	—	120	24	3400	50	33,000	3/4	19.1	3 3/4	95.3
1,000	T-5	30362	**DYA-Q1000T5/1CL**	DYA	—	120	24	3200	200	28,000	7/8	22.2	4 3/8	111.1
	T-6	23800	**Q1000T6/CL**	DWT	—	120	6	3000	2,000	23,400	1	25.4	5 5/8	142.9
		33760	**FER-Q1000T6/4CL**	FER	—	120	6	3200	500	27,500	3/4	19.1	5 5/8	142.9
2,000	T-8	33761	**FEY-Q2000T8/4CL**	FEY	—	120	6	3200	400	57,000	1	25.4	5 5/8	142.9
		20297	**FEX-Q2MT8/4CL**	FEX	P2/27	220	6	3200	300	50,000	1 7/16	37	5 5/8	142.9
		20298	**FEX-Q2MT8/4CL**	FEX	P2/27	240	6	3200	300	50,000	1 7/16	37	5 5/8	142.9

All lamps operate in any position — except as noted.

(15) Apparent lighted length slightly longer than similar clear lamp.
(46) Frosted bulb finish.

Quartzline® Double-Ended Lamps

Linear C-8 filaments



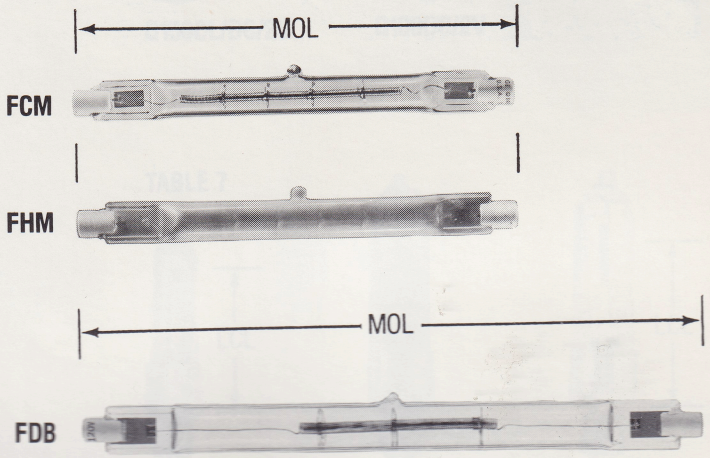


TABLE 2. RECESSED SINGLE-CONTACT BASE (R7s)

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Lighted Length		Max. Overall Length – MOL	
											Inches	mm	Inches	mm
300	T-2½	43703	Q300T2½/CL	EHM	—	120	6	2950	2,000	5,950	2 5/16	58.7	4 11/16	119.1
		43704	Q300T2½(46)	EHZ	—	120	6	2950	2,000	5,900	(15)	—	4 11/16	119.1
350	T-3	13894	Q350T3/CL/HIR	—	—	120	6	3000	2,000	10,000	2 3/16	55.6	4 11/16	119.1
		14311	Q350T3/CL/HIR	—	—	130	6	3000	2,000	9,600	2 3/8	60.3	4 11/16	119.1
		20881	FDF/HIR-Q350T3/4	—	—	120	6	3200	400	13,250	2 3/8	60.3	4 11/16	119.1
425	T-3	11178	◆ Q425T3/CL	—	—	120	12	2950	2,000	8,900	2 7/32	56.4	4 11/16	119.1
500	T-3	23731	◆ Q500T3/CL	FCL	—	120	12	3000	2,000	11,100	2 1/4	57.2	4 11/16	119.1
		23733	Q500T3/CL	DVS	—	130	12	3000	2,000	10,550	2 7/16	61.9	4 11/16	119.1
		23744	◆ Q500T3/CL/6(47)	—	—	120	12	2950	1,500	10,950	2 3/8	60.3	4 11/16	119.1
		23703	Q500T3(46)	FCZ	—	120	12	3000	2,000	10,800	(15)	—	4 11/16	119.1
		23735	◆ FDF-Q500T3/4CL	FDF	P2/30	120	12	3200	400	13,250	2 3/8	60.3	4 11/16	119.1
		23734	FDN-Q500T3/4(46)	FDN	P2/31	120	12	3200	400	12,800	(15)	—	4 11/16	119.1
515	T-3	20883	EJG/HIR-Q515T3/4	—	—	120	6	3200	400	20,600	2 7/16	61.9	4 11/16	119.1
650	T-3	13895	FWM/HIR-Q650T3/4	FWM	—	120	6	3200	400	25,200	2 3/8	60.3	4 11/16	119.1
750	T-3	23756	◆ EJG-Q750T3/4CL	EJG	—	120	12	3200	400	20,600	2 7/16	61.9	4 11/16	119.1
		23755	EMD-Q750T3/4(46)	EMD	—	120	12	3200	400	19,500	(15)	—	4 11/16	119.1
800	T-3	23760	EME-Q800T3/4CL	EME	P2/11	240	12	3200	250	22,000	2 13/16	71.4	4 11/16	119.1
		23761	EMF-Q800T3/4(46)	EMF	P2/11	240	12	3200	250	21,400	(15)	—	4 11/16	119.1
1,000	T-3	23797	◆ FCM-Q1000T3/4CL	FCM	P2/28	120	12	3200	400	28,000	2 3/8	60.3	4 11/16	119.1
		23792	FHM-Q1000T3/4(46)	FHM	P2/29	120	12	3200	400	27,300	(15)	—	4 11/16	119.1
		23788	EJD-Q1000T3/3CL	EJD	—	185	12	3350	100	33,600	2 11/16	68.3	4 11/16	119.1
1,050	T-5	37854	ELJ(45)	ELJ	—	120	24	3200	75	30,000	7/8	22.2	4 11/16	119.1
660	T-3	20884	FFT/HIR-Q660T3/4	—	—	120	6	3200	400	26,400	2 5/8	66.7	6 9/16	166.7
1,000	T-3	33280	◆ FFT-Q1000T3/1CL	FFT	—	120	12	3200	400	26,400	2 5/8	66.7	6 9/16	166.7
1,500	T-4	23841	FDB-Q1500T4/4CL	FDB	—	120	12	3200	400	41,200	2 7/16	61.9	6 9/16	166.7
		41229	FGT-Q1500T4/4(46)	FGT	—	120	12	3200	400	40,200	(15)	—	6 9/16	166.7
625	T-3	19697	Q625T3/4CL	—	P2/10	220/230	12	3200	300	16,900	4 23/32	120	7 7/16	189.1
		19698	Q625T3/4CL	—	P2/10	240/250	12	3200	300	16,900	4 23/32	120	7 7/16	189.1
1,000	T-3	20249	EKM-Q1MT3/4CL	EKM	P2/7	220/230	12	3200	300	28,000	4 23/32	120	7 7/16	189.1
		20253	EKM-Q1MT3/4CL	EKM	P2/7	240/250	12	3200	300	28,000	4 23/32	120	7 7/16	189.1
1,250	T-3	19695	Q1250T3/4CL	—	P2/12	220/230	12	3200	300	35,000	4 23/32	120	7 7/16	189.1
		19696	Q1250T3/4CL	—	P2/12	240/250	12	3200	300	35,000	4 23/32	120	7 7/16	189.1
900	T-3	13642	Q900T3/CL/HIR	—	—	240	6	3160	2,000	32,000	6 1/8	155.6	10 1/16	255.6
		14335	Q900T3/CL/HIR	—	—	277	6	3160	2,000	31,000	6 1/8	155.6	10 1/16	255.6

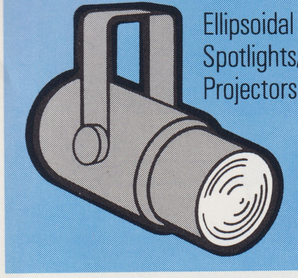
All lamps operate horizontal ± 4° — except as noted.

◆ Replace with Energy Saving HALOGEN-IR™ (HIR) Lamp.

(15) Apparent lighted length slightly longer than similar clear lamp.
(46) Frosted bulb finish.

Quartzline® Single-Ended Lamps

Typical Fixtures



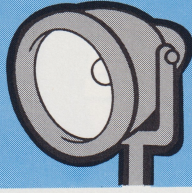
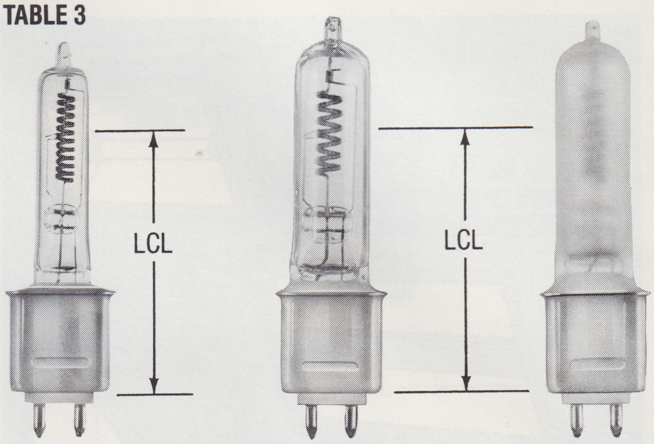
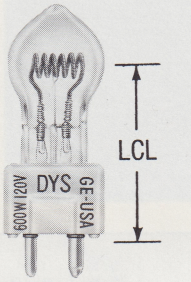


TABLE 3



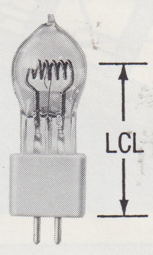
EHD **EHG** **FCV**

TABLE 4



DYS/DYV/BHC

TABLE 5



DYH

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length — LCL		Max. Overall Length — MOL	
												Inches	mm	Inches	mm
TABLE 3. **MEDIUM 2-PIN BASE (G9.5)**															
500	T-4	37083	**EHD-Q500CL/TP**	EHD	—	120	6	3000	2,000	10,450	CC-8	2 3/8	60.3	4	101.6
		37082	**EHC-Q500/5CL**	EHC	—	120	6	3150	300	12,700	CC-8	2 3/8	60.3	4	101.6
750	T-6	43167	**EHG-Q750CL/TP**	EHG	—	120	6	3000	2,000	15,400	CC-8	2 3/8	60.3	4 1/8	104.8
		37051	**EHF-Q750/4CL**	EHF	—	120	6	3200	300	20,400	CC-8	2 3/8	60.3	4 1/8	104.8
1,000	T-6	35607	**FEL-Q1000/4CL(22)**	FEL	—	120	6	3200	300	27,500	CC-8	2 3/8	60.3	4 1/8	104.8
		35853	**FCV-Q1000/4(22,46)**	FCV	—	120	6	3200	300	26,500	CC-8	2 3/8	60.3	4 1/8	104.8
		20303	**FEP-Q1MT6/4CL**	FEP	CP77	220	12	3200	250	26,500	CC-8	2 3/8	60.3	4 1/8	104.8
		20306	**FEP-Q1MT6/4CL**	FEP	CP77	240	12	3200	250	26,500	CC-8	2 3/8	60.3	4 1/8	104.8
TABLE 4. **2-PIN PREFOCUS BASE (GY9.5)**															
235	T-4	11548	**Q235T4/3(44,46)**	—	—	33	12	3150	150	6,000	CC-6	1 17/32	38.9	2 1/2	63.5
250	G-6	37427	**DYG-Q250/4CL/2PP(44)**	DYG	—	30	24	3400	15	8,000	CC-6	1 7/16	36.5	2 1/2	63.5
420	G-7	33934	**EKB-Q420/4CL/2PP**	EKB	—	120	24	3200	75	11,000	CC-6	1 7/16	36.5	2 1/2	63.5
600	G-7	32955	**DYS/DYV/BHC(44)**	DYS	A1/264	120	24	3200	75	17,000	CC-6	1 7/16	36.5	2 1/2	63.5
650	◇G-6	34328	**EKD-Q650/3CL/2PP**	EKD	—	120	24	3400	25	20,000	CC-6	1 7/16	36.5	2 1/2	63.5
	G-7	33248	**DYR**	DYR	A1/233	220	24	3200	50	16,500	2CC-8	1 7/16	36.5	2 1/2	63.5
		33250	**DYR**	DYR	A1/233	240	24	3200	50	16,500	2CC-8	1 7/16	36.5	2 1/2	63.5
TABLE 5. **MINIATURE 2-PIN BASE (G5.3)**															
30	T-3 1/2	37346	**DZA(44)**	DZA	—	10.8	24	3100	400	800	C-6	1 1/16	27.0	2	50.8
250	G-6	13617	**EYH/FKT(44)**	EYH	—	120	24	3050	150	6,050	CC-6	1 7/16	36.5	2 1/2	63.5
500	◇G-6	33663	**FBG/FBD**	FBG	—	120	24	3200	50	13,200	CC-6	1 3/4	44.5	3	76.2
600	G-7	30364	**DYH**	DYH	—	120	24	3200	75	17,000	CC-6	1 7/16	36.5	2 1/2	63.5
650	◇G-6	30304	**DVY(44)**	DVY	—	120	24	3400	25	20,000	CC-6	1 7/16	36.5	1 7/16	57.2
	◇G-7	30366	**DYJ(44)**	DYJ	—	230	24	3400	20	20,000	CC-2P	1 11/16	42.9	2 1/2	63.5

All lamps operate in any position — except as noted.

◇ Ultraviolet-absorbing bulb.

(22) Because of possible overheating, this lamp is not recommended for use without force-cooling in fixtures having deep-bowl, close-fitting reflectors with lamp axis crosswise to the reflector axis.

(44) Recommended operating position — base-down to horizontal (BDTH).

(46) Frosted bulb finish.

Quartzline® Single-Ended Lamps

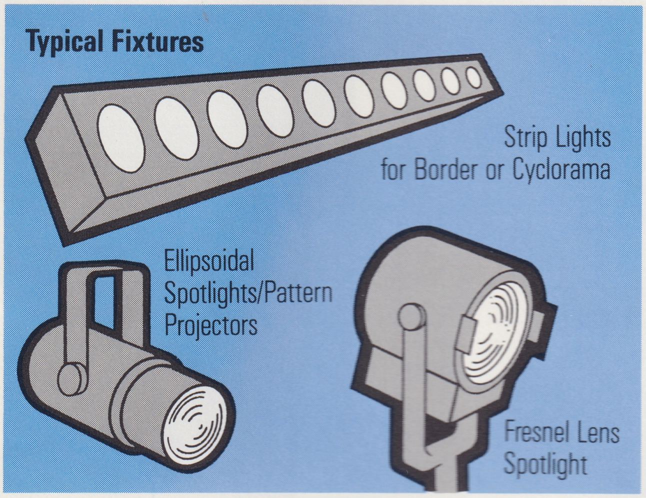
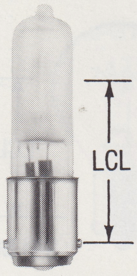
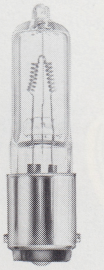


TABLE 6

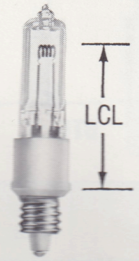


Q150CL/DC/2V

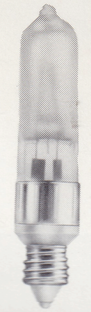


Q100DC/2V

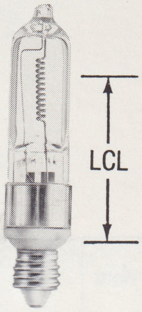
TABLE 7



Q75CL



Q100MC/2V



Q150CL/MC

TABLE 6. D.C. BAYONET CANDELABRA BASE (BA15d)

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length – LCL		Max. Overall Length – MOL	
												Inches	mm	Inches	mm
100	T-4	44386	**Q100CL/DC/2V**	ESR	—	120	6	2850	750	1,800	CC-2V	1 3/8	34.9	2 7/16	61.9
		44657	**Q100DC/2V(46)**	ETD	—	120	6	2850	750	1,750	CC-2V	1 3/8	34.9	2 7/16	61.9
		15508	**Q100CL/DC**	—	—	120	6	2800	2,000	1,600	CC-8	1 3/8	34.9	2 7/16	61.9
		16451	**Q100DC(46)**	—	—	120	6	2800	2,000	1,550	CC-8	1 3/8	34.9	2 7/16	61.9
150	T-4	44384	**Q150CL/DC/2V**	ESP	—	120	6	2850	1,000	2,800	CC-2V	1 3/8	34.9	2 7/16	61.9
		44693	**Q150CL/DC**	ETC	—	120	6	2900	2,000	2,800	CC-8	1 3/8	34.9	2 7/16	61.9
		44653	**Q150DC(46)**	ETF	—	120	6	2900	2,000	2,700	CC-8	1 3/8	34.9	2 7/16	61.9
200	T-4	14119	**FEV-Q200/4CL/DC**	FEV	—	120	6	3200	50	5,500	CC-2V	1 3/8	34.9	2 7/16	61.9
250	T-4	43697	**Q250CL/DC5**	ESS	—	120	6	2950	2,000	5,000	CC-8	1 5/8	41.3	3	76.2
		43698	**Q250CL/DC**	—	—	130	6	2950	2,000	5,000	CC-8	1 5/8	41.3	3	76.2
		43701	**Q250DC(46)**	ETB	—	120	6	2950	2,000	4,850	CC-8	1 5/8	41.3	3	76.2
		43702	**Q250DC(46)**	—	—	130	6	2950	2,000	4,850	CC-8	1 5/8	41.3	3	76.2
500	T-4	43710	**Q500CL/DC**	—	—	120	6	2950	2,000	10,450	CC-8	2 1/8	54	3 7/16	87.3
		43709	**Q500DC(46)**	—	—	120	6	2950	2,000	10,100	CC-8	2 1/8	54	3 7/16	87.3

TABLE 7. MINI-CAN SCREW BASE (Es)

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length – LCL		Max. Overall Length – MOL	
												Inches	mm	Inches	mm
75	T-3	39574	**Q75CL(48)**	—	—	28	20	3000	2,000	1,350	CC-6	1 3/16	30.2	2 1/2	63.5
100	T-4	44385	**Q100CL/MC/2V**	ESN	—	120	6	2850	750	1,800	CC-2V	1 3/8	34.9	2 13/16	71.4
		15507	**Q100CL/MC**	—	—	120	6	2800	2,000	1,600	CC-8	1 3/8	34.9	2 13/16	71.4
		16452	**Q100MC(46)**	—	—	120	6	2800	2,000	1,550	CC-8	1 3/8	34.9	2 13/16	71.4
		44656	**Q100MC/2V(46)**	ETE	—	120	6	2850	750	1,750	CC-2V	1 3/8	34.9	2 13/16	71.4
150	T-4	44383	**Q150CL/MC/2V**	ESL	—	120	6	2850	1,000	2,800	CC-2V	1 3/8	34.9	2 13/16	71.4
		43694	**Q150CL/MC**	ETG	—	120	6	2900	2,000	2,800	CC-8	1 3/8	34.9	2 13/16	71.4
		44654	**Q150MC(46)**	ETH	—	120	6	2900	2,000	2,700	CC-8	1 3/8	34.9	2 13/16	71.4
250	T-4	43699	**Q250CL/MC**	EHT	—	120	6	2950	2,000	5,000	CC-8	1 5/8	41.3	3 5/32	80.2
		43700	**Q250CL/MC**	—	—	130	6	2950	2,000	5,000	CC-8	1 5/8	41.3	3 5/32	80.2
		43695	**Q250MC(46)**	ESM	—	120	6	2950	2,000	4,850	CC-8	1 5/8	41.3	3 5/32	80.2
		43696	**Q250MC(46)**	—	—	130	6	2950	2,000	5,000	CC-8	1 5/8	41.3	3 5/32	80.2
400	T-4	43707	**Q400CL/MC**	—	—	120	6	2950	2,000	8,250	CC-8	2	50.8	3 5/8	92.1
		43706	**Q400MC(46)**	—	—	120	6	2950	2,000	7,850	CC-8	2	50.8	3 5/8	92.1
500	T-4	47950	**EVR-Q500CL/MC**	EVR	—	120	6	2950	2,000(16)	10,450	CC-8	2	50.8	3 5/8	92.1

All lamps operate in any position — except as noted.

(46) Frosted bulb finish.

(48) Miniature screw base.

Planar-Filament Quartzline® & Incandescent Lamps

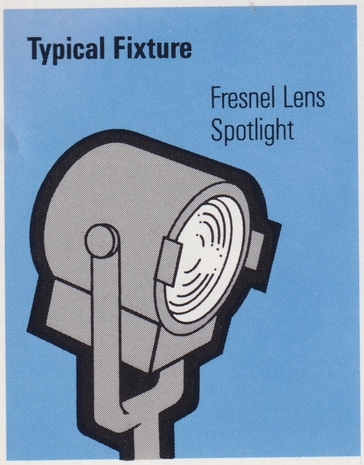
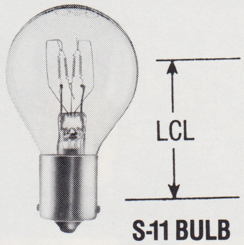
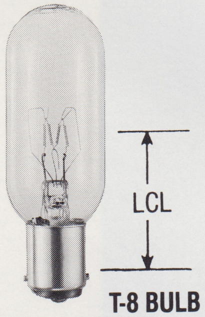


TABLE 8

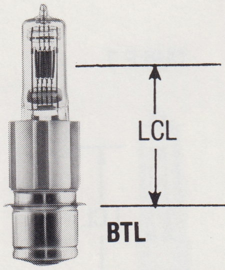


S-11 BULB

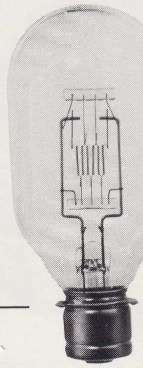


T-8 BULB

TABLE 9

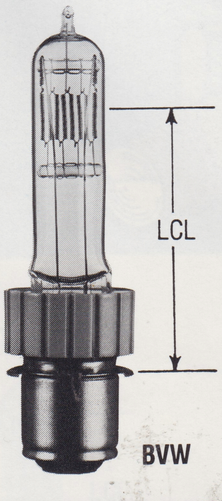


BTL



750T20P/SP

TABLE 10



BVW

TABLE 8. D.C. BAYONET CANDELABRA BASE (BA15d)

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length – LCL Inches	Light Center Length – LCL mm	Max. Overall Length – MOL Inches	Max. Overall Length – MOL mm
30	S-11	29140	**BLC**(45)	BLC	—	120	120	2775	50	400	CC-2V	1⅜	34.9	2⅜	60.3
50	S-11	29156	**BLX**(44)	BLX	—	120	120	2850	50	780	CC-2V	1⅜	34.9	2⅜	60.3
		29171	**CAX**(40)	CAX	—	120	24	2875	50	775	CC-13	1⅜	34.9	3⅛	79.4
75	T-8	29208	**CBX/CBS**(40)	CBX	—	120	24	2925	50	1,200(20)	CC-13	1⅜	34.9	3⅛	79.4
100	G-16½	18721	**100G16½/29DC**(44)	—	—	120	60	2850	200	1,660	CC-13	1⅜	34.9	3	76.2
	T-8	29266	**CDJ**(40)	CDJ	—	120	24	2975	50	2,000	CC-2V	1⅜	34.9	3⅛	79.4
		29244	**CEB**(40)	CEB	—	120	24	2975	50	1,850	CC-13	1⅜	34.9	3⅛	79.4
		29248	**CJX**(40)	CJX	—	230	24	2850	50	1,650	CC-13	1⅜	34.9	3⅛	79.4
150	B-12	29276	**BEC**(40)	BEC	—	120	24	3075	25	3,500	2CC-8	1⅜	34.9	2⅝	66.7
	T-8	29303	**CGP/CGF**(40)	CGP	—	120	24	3075	25	3,500(20)	2CC-8	1⅜	34.9	3⅝	92.1
200	B-12	29398	**BEJ**(40)	BEJ	—	120	24	3075	25	4,600	2CC-8	1⅜	34.9	2⅝	66.7

TABLE 9. MEDIUM PREFOCUS BASE (P28s)

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length – LCL Inches	Light Center Length – LCL mm	Max. Overall Length – MOL Inches	Max. Overall Length – MOL mm
250	◇T-20	20762	**250T20/47**(44)	—	—	120	24	2900	200	4,600	C-13	2 3/16	55.6	5¾	146.1
	T-14	29463	**DLC**(40)	DLC	A1/5	120	24	3050	50	5,500	C-13	2 3/16	55.6	5¾	146.1
500	T-6	11966	**BTL-Q500T6/CL/P**(44)	BTL	T17	120	24	3050	500	11,000	C-13D	2 3/16	55.6	4½	114.3
		16465	**BTM-Q500T6/4CL/2P**(44)	BTM	—	120	12	3200	100	13,000	C-13D	2 3/16	55.6	4½	114.3
	◇T-20	21887	**500T20/64**	DNW	—	120	24	2900	500	10,000	C-13	2 3/16	55.6	5¾	146.1
		29802	**DMX-500T20P**	DMX	A1/8	120	24	3200	50	13,200	C-13	2 3/16	55.6	5¾	146.1
650	T-8	20323	**FKM-Q650T8/4CL**(44)	FKM	CP51	220	12	3200	200	16,900	C-13	2 3/16	55.5	5¼	130
		20324	**FKM-Q650T8/4CL**(44)	FKM	CP51	240	12	3200	200	16,900	C-13	2 3/16	55.5	5¼	130
750	T-7	11953	**BTN-Q750T7/CL/2P**(44)	BTN	—	120	12	3050	500	17,600	C-13D	2 3/16	55.6	4½	114.3
		11954	**BTP-Q750T7/4CL/2P**(44)	BTP	—	120	12	3200	200	21,000	C-13D	2 3/16	55.6	4½	114.3
	◇T-20	22110	**750T20P/SP**(42)	BFE	—	120	24	3000	200	17,000	C-13	2 3/16	55.6	5¾	146.8
		29890	**BFL/BFK**(40)	BFL/BFK	—	120	24	3050	200	13,500(20)	C-13	2 3/16	55.6	5¾	146.1
1,000	T-7	11955	**BTR-Q1000T7/4CL/2P**(44)	BTR	—	120	12	3200	250	28,500	C-13D	2 3/16	55.6	4½	114.3
		20385	**FKD-Q1000T8/CL**(44)	FKD	T14	220	12	3050	950	23,000	C-13	2 3/16	55.5	5¼	130
		20388	**FKD-Q1000T8/CL**(44)	FKD	T14	240	12	3050	950	23,000	C-13	2 3/16	55.5	5¼	130
		20287	**FKN-Q1MT8/4CL**(44)	FKN	CP52	220	12	3200	250	26,000	C-13	2 3/16	55.5	5¼	130
		20288	**FKN-Q1MT8/4CL**(44)	FKN	CP52	240	12	3200	250	26,000	C-13	2 3/16	55.5	5¼	130
		29947	**DRS**(40)	DRS	A1/58	120	24	3325	25	28,500	C-13D	2 3/16	55.6	5¾	146.1
		29968	**DRB**(40)	DRB	—	120	24	3350	25	32,000	C-13	2 3/16	55.6	5¾	146.1
		29953	**DWK**(40)	DWK	A1/226	230	24	3100	50	23,500	CC-13	2 3/16	55.6	5¾	146.1
	◇T-20	29979	**DRC**(40)	DRC	—	120	24	3250	50	30,000	C-13	2 3/16	55.6	5¾	146.1

TABLE 10. MOGUL PREFOCUS BASE (P40s)

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length – LCL Inches	Light Center Length – LCL mm	Max. Overall Length – MOL Inches	Max. Overall Length – MOL mm
1,000	T-7	12554	**BVT-Q1000T7/CL/MP**(45)	BVT	—	120	6	3050	500	24,500	C-13D	3 15/16	100	7¼	184.2
		12553	**BVV-Q1000T7/4CL/MP**(45)	BVV	—	120	6	3200	250	28,500	C-13D	3 15/16	100	7¼	184.2
	◇G-40	22203	**1M/G40PSP**(44)	—	—	120	24	3050	200	25,000	C-5	3 15/16	100	8 7/16	214.3
2,000	T-10	12555	**BVW-Q2000T10/4CL/MP**(44)	BVW	—	120	6	3200	300	59,000	C-13	3 15/16	100	8	203.2

Lamp operating position noted.

◇ Heat-resistant glass bulb.

(20) Top end of bulb is opaque-coated to absorb upward light.

(40) Recommended operating position — within 30° of vertical base-down (BD30).

(44) Recommended operating position — base-down to horizontal (BDTH).

(45) Recommended operating position — any position.

Planar-Filament Quartzline® & Incandescent Lamps

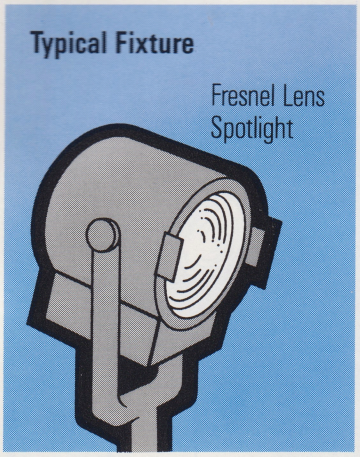
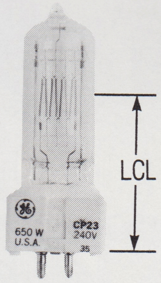
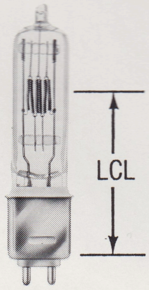


TABLE 11



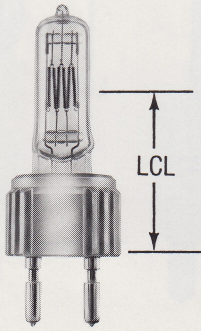
CP 23

TABLE 12

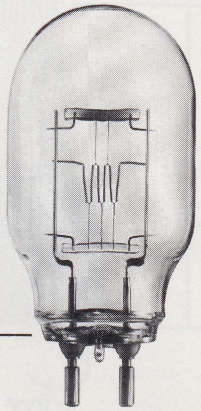


BWM

TABLE 13



EGT



750T24/16

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length — LCL		Max. Overall Length — MOL	
												Inches	mm	Inches	mm
TABLE 11. MEDIUM 2-PIN BASE (GX9.5)(44)															
650	T-8	20315	**Q650T8/4CL**	—	CP23	220	12	3200	200	16,900	C-13	2 3/16	55.0	4 3/8	110
		20319	**Q650T8/4CL**	—	CP23	240	12	3200	200	16,900	C-13	2 3/16	55.0	4 3/8	110
1,000	T-8	20281	**Q1000T8/4CL**	—	CP24	220	12	3200	250	26,000	C-13	2 3/16	55.0	4 3/8	110
		20282	**Q1000T8/4CL**	—	CP24	240	12	3200	250	26,000	C-13	2 3/16	55.0	4 3/8	110
		20383	**Q1000T8/CL**	—	T11	220	12	3050	950	23,000	C-13	2 3/16	55.0	4 3/8	110
		20384	**Q1000T8/CL**	—	T11	240	12	3050	950	23,000	C-13	2 3/16	55.0	4 3/8	110
TABLE 12. MEDIUM 2-PIN BASE (G9.5)(44)															
750	T-8	39680	**BWM-Q750T7/4CL/TP**	BWM	—	120	6	3200	200	21,000	C-13D	2 3/8	60.3	4 1/2	114.3
1,000	T-8	39681	**BWN-Q1000T7/4CL/TP**	BWN	—	120	6	3200	250	28,500	C-13D	2 3/8	60.3	4 1/2	114.3
TABLE 13. MEDIUM BIPOST BASE (G22)(44)															
500	◇T-14	21803	**500T14/7(40)**	—	—	—	24	2850	800	9,000	C-13D	4	101.6	6 7/16	163.5
	◇T-20	21882	**500T20/63(42)**	DVG	—	120	12	3200	50	14,500	C-13	2 1/2	63.5	6 1/2	165.1
650	T-8	20320	**FKG-Q650T8/4CL**	FKG	CP39	220	12	3200	200	16,900	C-13	2 1/2	63.5	5 1/2	140
		20321	**FKH-Q650T8/4CL**	FKH	CP39	240	12	3200	200	16,900	C-13	2 1/2	63.5	5 1/2	140
750	T-7	39190	**EGR-Q750T7/4CL**	EGR	—	120	12	3200	200	21,000	C-13D	2 1/2	63.5	5	127
	◇T-14	22105	**750T14(2,40)**	—	—	120	24	3000	200	17,000	C-13D	4	101.6	6 7/16	163.5
	◇T-24	22147	**750T24/16(42)**	DVH	—	120	24	3200	50	22,000	C-13	2 1/2	63.5	6 1/2	165.1
1,000	T-7	39191	**EGT-Q1000T7/4CL**	EGT	—	120	12	3200	250	28,500	C-13D	2 1/2	63.5	5	127
	T-8	20285	**FKJ-Q1MT8/4CL**	FKJ	CP40	220	12	3200	250	26,000	C-13	2 1/2	63.5	5 1/2	140
		20286	**FKJ-Q1MT8/4CL**	FKJ	CP40	240	12	3200	250	26,000	C-13	2 1/2	63.5	5 1/2	140

Exceptions to lamp operating position noted.

◇ Heat-resistant glass bulb.

(40) Recommended operating position — within 30° of vertical base-down (BD30)

(42) Recommended operating position — within 45° of vertical base-down (BD45).

(44) Recommended operating position — base-down to horizontal (BDTH).

Planar-Filament Quartzline® & Incandescent Lamps

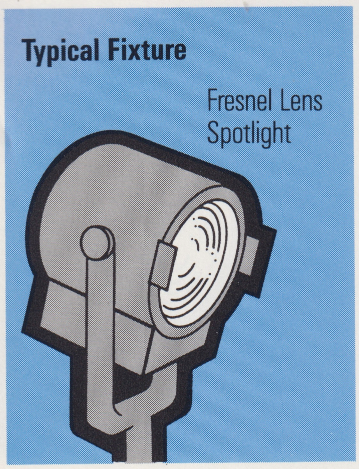
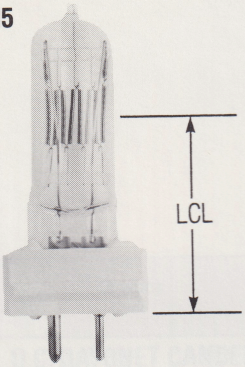
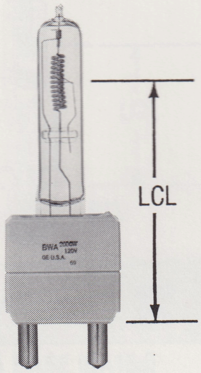


TABLE 15

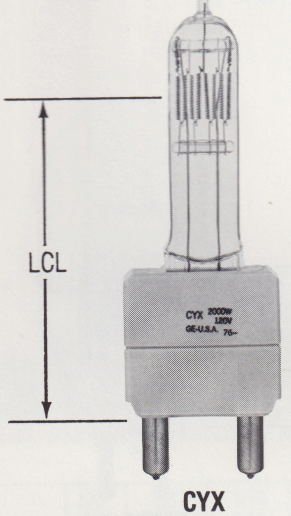


FTM/FTL

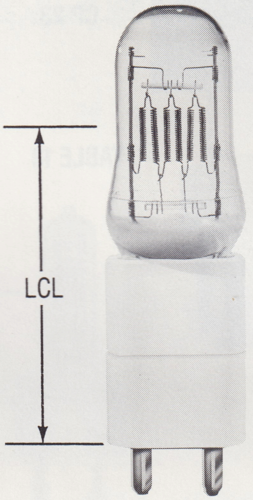
TABLE 14



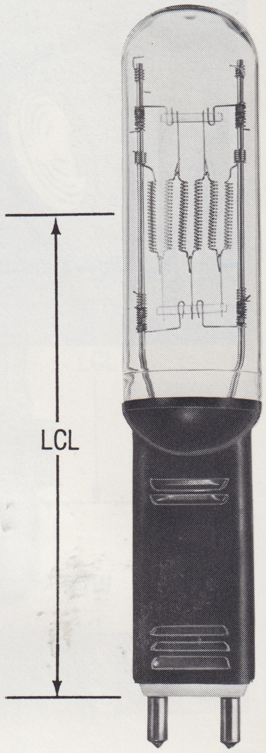
BWA



CYX



DPY



DTY

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length — LCL		Max. Overall Length — MOL	
												Inches	mm	Inches	mm

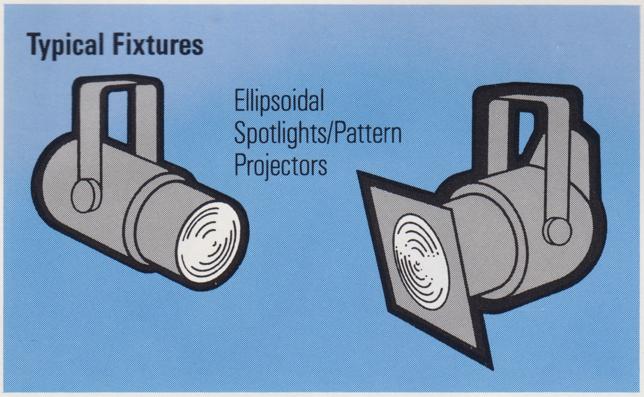
TABLE 14. MOGUL BIPOST BASE (G38)(44)

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	LCL Inches	LCL mm	MOL Inches	MOL mm
1,000	T-7	42697	**CYV-Q1000T7/4CL/BP**	CYV	—	120	6	3200	200	28,500	C-13D	5	127	8	203.2
1,500	T-11	27564	**CXZ-Q1500T10/4CL**	CXZ	—	120	6	3200	325	44,500	C-13	5	127	8½	215.9
2,000	T-8	39587	**BWA-Q2000/4CL/BP**	BWA	—	120	6	3200	500	54,000	CC-8	5	127	8	203.8
	T-10	36636	**CYX-Q2000T10/4CL**	CYX	—	120	6	3200	300	59,000	C-13	5	127	8½	215.9
		13221	**FKK-Q2MT10/4CL**	FKK	CP41	220	6	3200	400	54,000	C-13	5	127	8½	215.9
		13220	**FKK-Q2MT10/4CL**	FKK	CP41	240	6	3200	400	54,000	C-13	5	127	8½	215.9
5,000	T-20	41736	**DPY-Q5000T20/4CL**	DPY	CP29	120	6	3200	500	143,000	C-13	6½	165.1	11	279.4
	◇G-64	22896	**5M/G64/7(42)**	ECN	—	120	4	3200	150	145,000	C-13	6½	165.1	11⅞	301.6
10,000	T-24	18305	**DTY-Q10M-T24/4CL(42)**	DTY	—	120	4	3200	300	285,000	C-13	10	254	15⅜	390.5

TABLE 15. 2-PIN PREFOCUS BASE (GY16)(44)

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	LCL Inches	LCL mm	MOL Inches	MOL mm
2,000	T-10	20309	**Q2000T10/4CL**	FTM	CP43	220	12	3200	500	54,000	C-13	2¾	70	5 11/16	145
		20310	**Q2000T10/4CL**	FTL	CP43	240	12	3200	500	54,000	C-13	2¾	70	5 11/16	145

Exceptions to lamp operating position noted.
◇ Heat-resistant glass bulb.
(42) Recommended operating position — within 45° of vertical base-down (BD45).
(44) Recommended operating position — base-down to horizontal (BDTH).



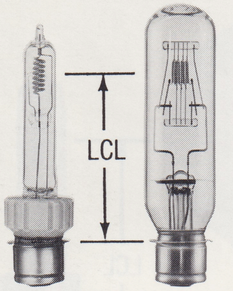


TABLE 16. **MEDIUM PREFOCUS BASE (P28s)**

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length — LCL		Max. Overall Length — MOL	
												Inches	mm	Inches	mm
500	T-4	39135	**EGE-Q500CL/P**	EGE	—	120	12	2950	2,000	10,450	CC-8	3½	88.9	6	152.4
		39134	**EGC-Q500/5CL/P**	EGC	—	120	12	3150	500	12,700	CC-8	3½	88.9	6	152.4
750	T-6	39137	**EGG-Q750CL/P**	EGG	—	120	12	3000	2,000	15,750	CC-8	3½	88.9	6	152.4
		39136	**EGF-Q750/4CL/P**	EGF	—	120	12	3200	500	20,400	CC-8	3½	88.9	6	152.4
1,000	T-6	38853	**EGJ-Q1000/4CL/P**	EGJ	—	120	12	3200	400	27,500	CC-8	3½	88.9	6	152.4
		38852	**EGK-Q1000/4/P**(46)	EGK	—	120	12	3200	400	26,500	CC-8	3½	88.9	6	152.4
		39138	**EGM-Q1000CL/P**	EGM	—	120	12	3000	2,000	21,500	CC-8	3½	88.9	6	152.4
500	◇T-12	21799	**500T12/8**(40)	DEB	—	120	24	2850	800	9,000	C-13D	3½	88.9	6⅛	155.6
		21795	**500T12/9**(40)	DNS	—	120	24	2950	200	11,000	C-13D	3½	88.9	6⅛	155.6
750	◇T-12	22100	**750T12/9**(40)	DNT	—	120	24	3000	200	17,000	C-13D	3½	88.9	6⅛	155.6

All lamps operate in any position — except as noted.

◇ Heat-resistant glass bulb.

(40) Recommended operating position — within 30° of vertical base-down (BD30)

(46) Frosted bulb finish.

Incandescent & Quartzline® Lamps

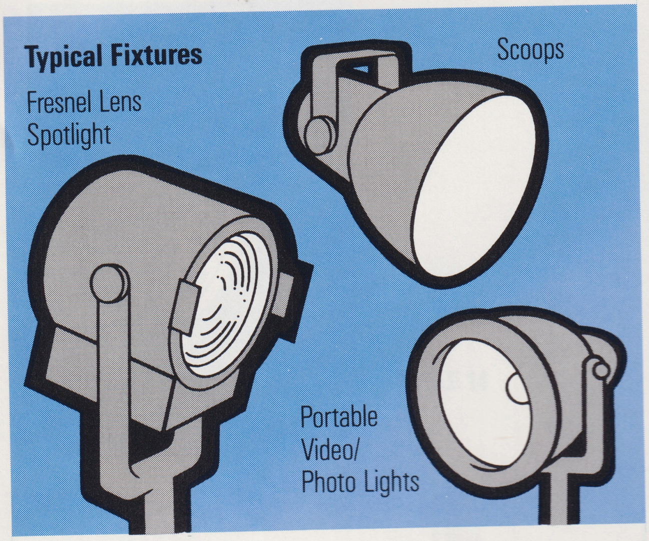

Typical Fixtures
Fresnel Lens Spotlight
Scoops
Portable Video/ Photo Lights

TABLE 17

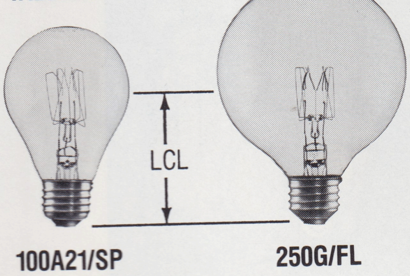
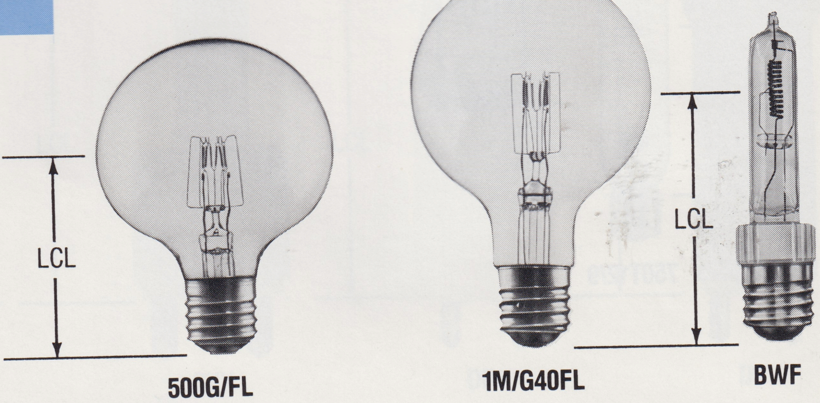

LCL
100A21/SP
250G/FL

TABLE 18


LCL
LCL
500G/FL
1M/G40FL
BWF

Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length – LCL		Max. Overall Length – MOL	
												Inches	mm	Inches	mm
TABLE 17. MEDIUM SCREW BASE (E26)															
100	A-21	18386	**100A21/SP(45)**	—	—	120	120	2750	200	1,340	C-5	3	76.2	4⅜	111.1
250	G-30	20604	**250G/FL(44)**	—	—	120	60	2800	800	3,650	C-5	3	76.2	5⅛	130.2
		20589	**250G/SP(44)**	—	—	120	60	2900	200	4,500	C-5	3	76.2	5⅛	130.2
400	G-30	21363	**400G/FL(44)**	—	—	120	60	2850	800	6,800	C-5	3	76.2	5⅛	130.2
		21349	**400G/SP(44)**	--	—	120	60	2950	200	8,400	C-5	3	76.2	5⅛	130.2
TABLE 18. MOGUL SCREW BASE (E39)															
500	G-40	21451	**500G/FL(44)**	—	—	120	24	2850	800	9,300	C-5	4¼	108	7 1/16	179.4
1,000	◇G-40	22193	**1M/G40FL(44)**	—	—	120	24	2950	800	20,000	C-5	5¼	133.4	7⅞	200
2,000	T-8	37086	**•BWF-Q2000/4CL(45)**	BWF	—	120	6	3200	500	54,000	CC-8	5¼	133.4	7½	190.5

◇Heat-resistant glass bulb.
•Quartzline® lamp.

(44) Recommended operating position — base-down to horizontal (BDTH).
(45) Recommended operating position — any position.

Quartzline® & Incandescent Frosted Floodlight Lamps

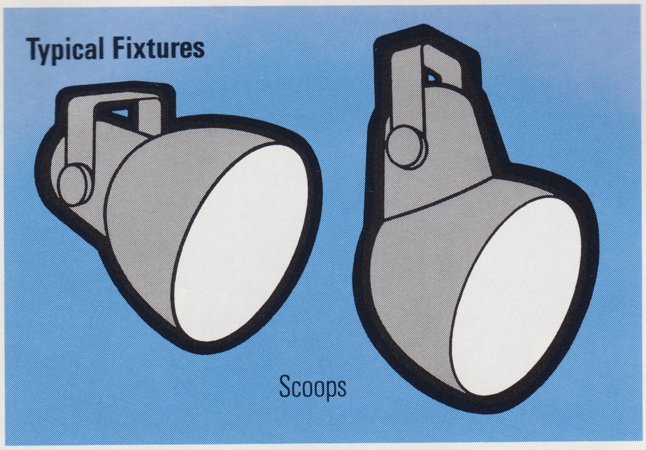
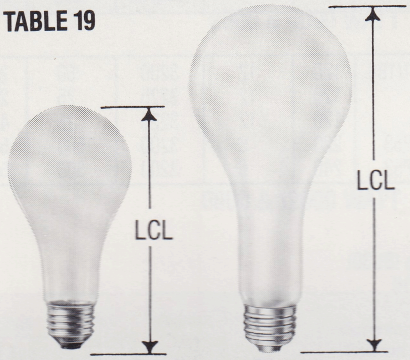
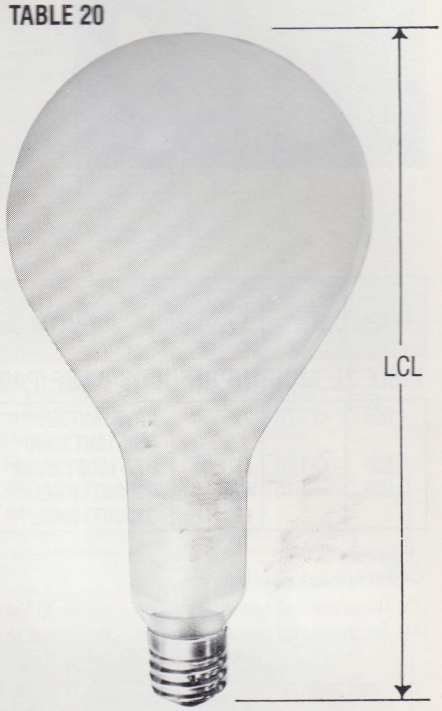


TABLE 19



BBA ECT

TABLE 20



DKZ/DSE

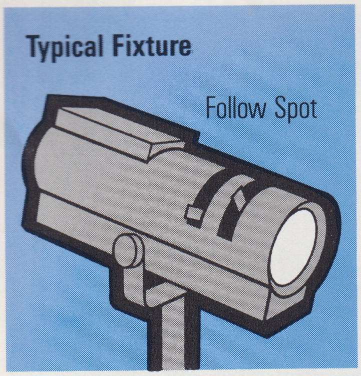
Watts	Bulb	Ordering Code	Description	(Photofood Designation)	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Max. Overall Length – MOL	
													Inches	mm
TABLE 19. MEDIUM SCREW BASE (E26)														
250	A-21	40563	**BBA**	(#1)	BBA	—	120	24	3400	3	8,000	C-9	$4\frac{15}{16}$	125.4
		40564	**BCA**	(#B1)	BCA	—	120	24	4800(21)	3	5,000	C-9	$4\frac{15}{16}$	125.4
	A-23	40565	**ECA**	(250A23)	ECA	—	120	24	3200	20	6,500	C-9	6	152.4
300	A-21	40886	**BAH**		BAH	—	120	24	3200	20	9,000	C-9	$4\frac{15}{16}$	125.4
500	PS-25	40566	**EBV**	(#2)	EBV	—	120	24	3400	6	17,000	C-9	$6\frac{15}{16}$	176.2
		40567	**EBW**	(#B2)	EBW	—	120	24	4800(21)	6	10,500	C-9	$6\frac{15}{16}$	176.2
		40568	**ECT**	(500PS25/5)	ECT	—	120	24	3200	60	13,650	C-9	$6\frac{15}{16}$	176.2
TABLE 20. MOGUL SCREW BASE (E39)														
1,000	PS-40	30358	**ECV**	(1M/PS40/1)	ECV	—	120	24	3200	60	26,500	C-7A	$9\frac{3}{4}$	247.7
	•PS-52	39582	**DKZ/DSE-Q1000PS52/4**		DKZ	—	120	12	3200	750	28,000	CC-8	13	330.2
1,500	•PS-52	40357	**DKX/DSF-Q1500PS52/4**		DKX	—	120	12	3200	1,000	41,000	C-8	13	330.2

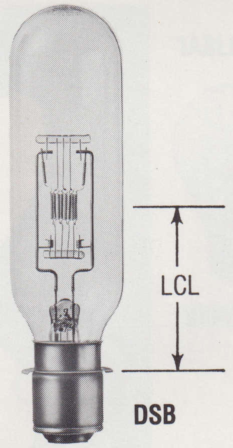
All lamps operate in any position — except as noted.

•Quartzline® Scoop Lamps.

(21) Blue glass bulb. Apparent color temp. may vary among lamps.

Quartzline® & Incandescent Lamps for Follow-Spots



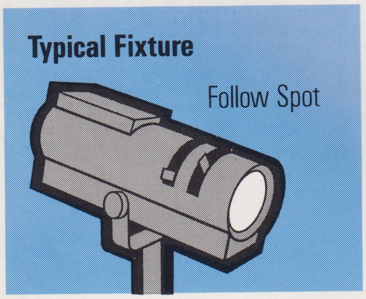


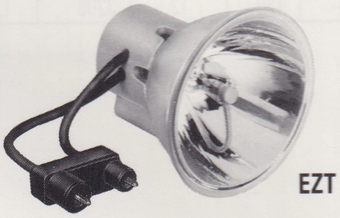
Watts	Bulb	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Approx. Initial Lumens	Filament Form	Light Center Length — LCL		Max. Overall Length — MOL	
												Inches	mm	Inches	mm
TABLE 21. MOGUL PREFOCUS BASE (P40s)															
1,000	◇T-20	29964	**DPW-1M/T20P(41)**	DPW	A1/188	120	12	3200	50	28,000	C-13	3 7/16	87	9 1/2	241.3
		29969	**DSB-1M/T20/40(41)**	DSB	—	120	12	3225	25	28,500	C-13D	3 7/16	87	9 1/2	241.3
1,500	◇T-20	30004	**DTJ-1500T20/39(41)**	DTJ	—	120	12	3225	25	42,500	C-13D	3 7/16	87	9 1/2	241.3
2,000	T-10	•20311	**Q2000T10/4CL(44)**	—	CP53	220	6	3200	500	54,000	C-13	3 7/16	87	7 7/8	200
		•20312	**Q2000T10/4CL(44)**	—	CP53	240	6	3200	500	54,000	C-13	3 7/16	87	7 7/8	200

•Quartzline® lamp.
◇Heat-resistant glass bulb.
(41) Recommended operating position — within 30° of vertical base-up (BU30).
(44) Recommended operating position — base-down to horizontal (BDTH).

Marc™ & Gemini™ High-Intensity Arc Lamps

- Metal-halide arc in Quartz arc tube
- Cold-mirror, rim-mount glass reflector
- Separate power supply required
- Operate with plane of reflector rim vertical



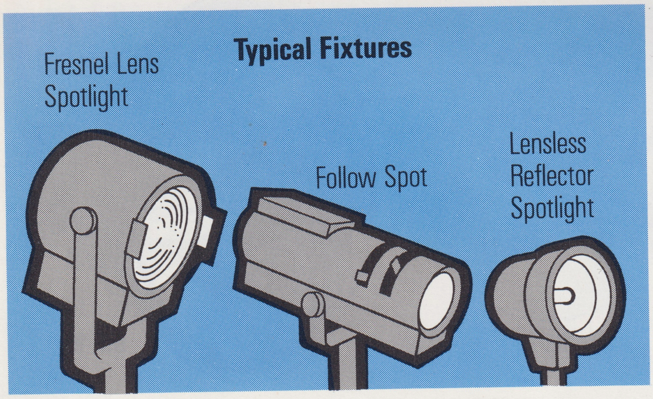


Watts (Nominal)	Ordering Code	Description	ANSI Code	Volts (Nominal)	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Reflector Diameter (Inches)
TABLE 22. MARC™ & GEMINI™ LAMPS								
300	11134	**GEMINI-300**	EZG	35	4	6000	75**	2
	29469	**MARC-300/16**	EZM	37.5	4	5500	25	3
350	39936	**MARC-350/16T**	EZT	45	4	5000	50	3

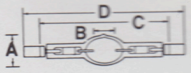
Should not be operated for periods of less than 3 minutes. Shorter operating cycles reduce life and degrade performance.
**On GE solid-state power supplies. Approx. life is 50 hours on all other GE power supplies.

General Electric Metallic Iodide Stage/Studio Multi-Vapor® Lamps

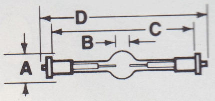
- Daylight color temperature, 5600K nominal
- Color-Rendering Index 90 +



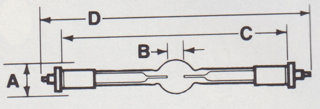
200 WATT



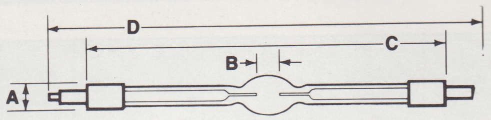
575 WATT



1200 WATT



2500 & 4000 WATT



6000 & 12000 WATT

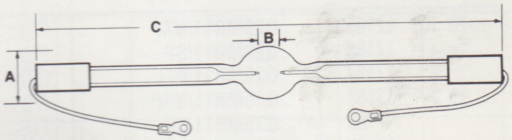


TABLE 23. **GEMI™ LAMPS**

Nominal Watts	Ordering Code	Description	Case Qty.	Nominal Lamp Volts	Nominal Lamp Amps	Hot-Restart kV (max.)	Approx. Life (Hrs)	Approx. Initial Lumens	Operating Position	Diameter A	Arc Length B	Max. Length Between Base Flats C	Maximum Overall Length D	Base Type
200	17060	**GEMI-200**	6	80	3.1	25	600	16,000	Any	16	10	60	75	X-515
575	17061	**GEMI-575**	6	95	7.0	25	750	49,000	Any	21	7	117	145	SFc 10-43 sleeve/ threaded pin M4
1,200	17063	**GEMI-1200**	6	100	13.8	45	750	110,000	Any	27	10	182	220	SFc 15.5-6 sleeve/ threaded pin M6 x 0.5
2,500	17064	**GEMI-2500**	6	115	25.6	45	500	240,000	Horiz. ± 15°	30	14	292	355	SFa 21-12
4,000	17065	**GEMI-4000**	1	200	24.0	65	500	410,000	Horiz. ± 15°	39	34	342	405	SFa 21-12
6,000	17069	**GEMI-6000**	1	125	55.0	65	300	650,000	Horiz. ± 15°	53	22	450	450	25.4 x 50.8 cylinder w/165mm flexible leads
12,000	17071	**GEMI-12000 (160V)**	1	160	82.0	65	300	1,300,000	Horiz. ± 15°	72	29	470	470	30.16 x 69.85 cylinder w/165mm flexible leads
12,000	17790	**GEMI-12000 (225V)**	1	225	62.0	70	250	1,100,000	Horiz. ± 15°	65	35	470	470	S25.5 x 60 cylinder w/165mm flexible leads

CAUTION — These GEMI high-performance electric discharge lamps are constructed with Quartz Arc Tubes **designed for use only with proper fixtures and power supplies**. The arc tubes operate under high pressure at very high temperatures (as high as 950°C) and may unexpectedly rupture due to internal or external factors, such as a system failure or a misapplication. If this occurs, the arc tube could break and particles of extremely hot quartz would be discharged into the enclosure and/or the surrounding environment, creating a risk of personal injury or fire. The lamps emit ultraviolet radiation which is harmful to eyes and skin.

Therefore, install lamps only in enclosed lighting fixtures with tempered glass or other lens/diffuser material able to contain fragments of hot quartz (up to 950°C). Lens/diffuser material must be heat resistant and capable of absorbing ultraviolet radiation. If in doubt, contact your fixture manufacturer. **DO NOT** operate a fixture with a missing or broken lens/diffuser.

Operate the system with grounded power supplies and ignition devices which are compatible with the lamp electrical specifications approved by GE. For total electrical load, add power supply watts and lamp watts.

DO NOT operate lamps at greater than 110% rated input voltage, nor — except for 200W, 575W and 1200W sizes — with the lamp axis tilted more than 15° from horizontal.

Follow Installation and Operating Instructions packed with each lamp. GE will not be responsible for lamp failures, damage or injury resulting from failure to follow instructions.

Precise™ Multi-Mirror® Reflector Quartzline® Lamps

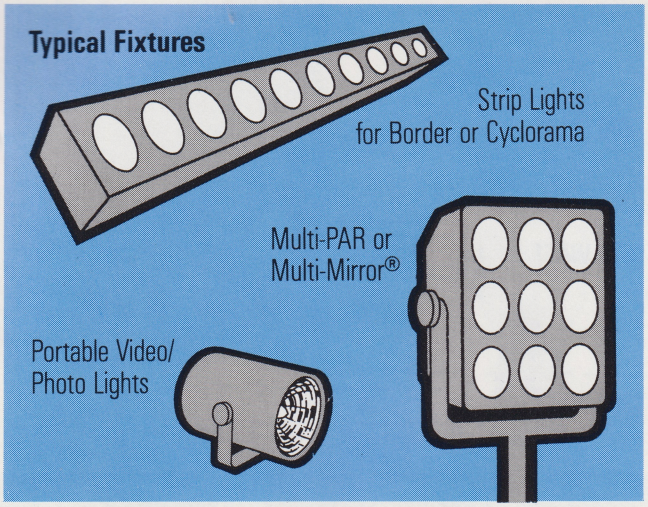

Typical Fixtures
Strip Lights for Border or Cyclorama
Multi-PAR or Multi-Mirror®
Portable Video/ Photo Lights

TABLE 24

TABLE 25

TABLE 24. **MR11 2-PIN BASE (GZ4)**

Watts	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Center Beam Candle-Power(6)	Approx. Initial Lumens
20	17185	**Q20MR11/NSP**	FTB	M52	12	24	2950	2,000	NSP	—	10	3,900	280
	17186	**Q20MR11/SP**	FTC	M51	12	24	2950	3,000	SP	—	20	1,550	280
	17187	**Q20MR11/NFL**	FTD	M62	12	24	2950	3,000	NFL	—	30	600	280
35	17188	**Q35MR11/NSP**	FTE	M65	12	24	2950	3,000	NSP	—	10	5,850	570
	17189	**Q35MR11/SP**	FTF	M66	12	24	2950	3,000	SP	—	20	2,750	570
	17190	**Q35MR11/NFL**	FTH	—	12	24	2950	3,000	NFL	—	30	1,300	570
50	20059	**Q50MR11/SP**	FTR	—	12	24	2900	2,000	SP	—	20	3,700	800
	20060	**Q50MR11/NFL**	FTP	—	12	24	2900	2,000	NFL	—	30	2,000	800

TABLE 25. **MR16 2-PIN BASE (GX5.3)**

Watts	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Center Beam Candle-Power(6)	Approx. Initial Lumens
20	14942	**Q20MR16/VNSP (EZX)**	EZX	—	12	24	3050	3,000	VNSP	12	7	8,200	260
	14789	◇ **Q20MR16/NSP (ESX)**	ESX	M68	12	24	3050	3,000	NSP	19	13	3,350	260
	14790	◇ **Q20MR16/FL (BAB)**	BAB	M69	12	24	3050	4,000	FL	59	40	525	280
35	19984	◇ **Q35MR16/FL**	FMW	M81	12	24	3050	4,000	FL	—	40	1,100	600
	19983	◇ **Q35MR16/SP**	FRA	M70	12	24	3050	4,000	SP	—	20	3,800	600
	19982	◇ **Q35MR16/NSP**	FRB	M71	12	24	3050	4,000	NSP	—	12	8,000	600
42	14945	**Q42MR16/VNSP (EZY)**	EZY	—	12	24	3050	3,500	VNSP	15	9	13,100	630
	14785	**Q42MR16/NFL (EYS)**	EYS	—	12	24	3050	3,500	NFL	47	27	2,100	630
50	14787	**Q50MR16/NSP (EXT)**	EXT	M49	12	24	3050	4,000	NSP	24	14	10,200	960
	14793	◇ **Q50MR16/NFL (EXZ)**	EXZ	M50	12	24	3050	4,000	NFL	49	27	2,900	960
	16634	◇ **Q50MR16/NFL/1 (EXK)**	EXK	—	12	24	3050	4,000	NFL	52	32	2,450	960
	39857	**Q50MR16/FL/1 (ENL)**	ENL	—	12	24	3050	4,000	FL	49	32	2,325	895
	14788	◇ **Q50MR16/FL (EXN)**	EXN	M58	12	24	3050	4,000	FL	64	40	1,725	960
	18710	**Q50MR16/WFL**	FNV	M80	12	24	3050	4,000	WFL	—	55	1,150	—
75	14795	◇ **Q75MR16/NSP (EYF)**	EYF	M60	12	24	3050	4,000	NSP	24	14	12,300	1,300
	15941	◇ **Q75MR16/NFL (EYJ)**	EYJ	—	12	24	3050	4,000	NFL	35	25	4,600	1,300
	14794	◇ **Q75MR16/FL (EYC)**	EYC	M61	12	24	3050	4,000	FL	64	42	2,100	1,300
100	12003	**EXV**	EXV	—	12	24	3350	50	FL	—	53	3,100	—
150	15477	**EZK**(49)	EZK	—	120	24	3200	200	FL	—	60	3,600	—
200	12503	**EXS**	EXS	—	30	24	3300	50	FL	—	45	8,800	—
250	38686	**ENH**(49)	ENH	—	120	24	3250	175	FL	—	32	11,700	—
	11750	**EXX**(49)	EXX	—	120	24	3300	25	FL	—	57	6,750	—

All lamps operate in any position — except as noted.

◇ Cover Glass version available with different Ordering Code.

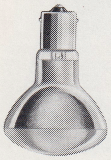
(3) Beam spread to 50% peak candlepower.

(5) Beam spread to 10% peak candlepower.

Reflector (R) Lamps

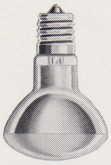
TABLE 26

D.C. BAY.



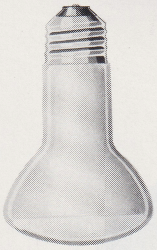
R-14

INTERMED.
SCREW



R-14

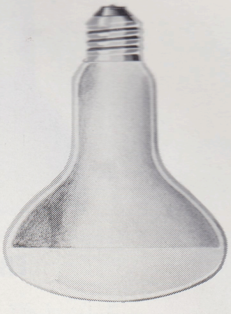
MED. SCR.



R-20

TABLE 27

MED. SCR.



R-30

TABLE 26. R-12, R-14 & R-20 BULBS

Watts	Ordering Code	Description	ANSI Code	Volts	Case Qty	Base	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Approx. Candle-Power(6)	Approx. Total Lumens
20	27150	**1383(25)**	—	13	10	S.C. Bay.	—	300	—	—	—	—	—
	27159	**1388(25)**	—	24	10	D.C. Bay.	—	500	—	—	—	—	—
	27154	**1385(25)**	—	28	10	S.C. Bay.	—	300	—	—	—	—	—
	13674	**20R12SC(25)**	—	30	100	S.C. Bay.	—	500	—	—	—	—	—
15	34555	**15R14SC/FL**	—	12	120	S.C. Bay.	—	2,000	FL	102	36	120	—
	33404	**15R14SC/SP**	—	12	120	S.C. Bay.	—	2,000	SP	31	15	800	140
25	33405	**25R14SC/SP**	—	12	120	S.C. Bay.	—	2,000	SP	32	16	1,200	230
	33091	**25R14SC**	—	28	120	S.C. Bay.	—	2,000	SP	—	—	—	—
	39156	**25R14N**	—	120	120	Intermed.	—	1,500	FL	120	60	150	190
100	40429	**BDK**	BDK	120	24	D.C. Bay.	3200	4	MFL	—	30	3,200	—
17	35151	**17R20**	—	6.3	60	Med. Scr.	—	2,000	—	—	—	—	—
30	15003	**30R20**	—	120§	60	Med. Scr.	—	2,000	FL	92	35	300	210
	16213	**30R20/6**	—	130	60	Med. Scr.	—	6,000	FL	95	35	270	—
50	16693	**50R20**	—	120§	60	Med. Scr.	—	2,000	FL	95	38	530	440
	16697	**50R20/BW**	—	120	60	Med. Scr.	—	2,000	—	—	—	—	130
	16698	**50R20/PK**	—	120§	60	Med. Scr.	—	2,000	—	—	—	—	260
	41625	**50R20/PL**	—	120	24	Med. Scr.	—	2,000	—	—	—	—	—

TABLE 27. R-30 BULBS

Watts	Ordering Code	Description	ANSI Code	Volts	Case Qty	Base	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Approx. Candle-Power(6)	Approx. Total Lumens
50	32118	**50R30/FL**	—	120	24	Med. Scr.	2700	2,000	FL	135	80	300	550
65	15709	**75R30/FL/65WM**	—	120§	24	Med. Scr.	2700	2,000	FL	125	65	500	770
	15711	**75R30/SP/65WM**	—	120§	21	Med. Scr.	2700	2,000	SP	85	28	1,650	770
75	38207	**75R30/FL**	—	120§	24	Med. Scr.	2700	2,000	FL	135	80	450	900
	14722	**75R30/FL/CVG**	—	120	24	Med. Scr.	2700	2,000	FL	—	—	—	—
	38209	**75R30/SP**	—	120§	24	Med. Scr.	2700	2,000	SP	100	30	1,350	900
	—	**75R30/A,-/B,-BW,-/G**	—	120	24	Med. Scr.	—	2,000	—	—	—	—	—
	38215	**75R30/PK**	—	120§	24	Med. Scr.	—	2,000	—	—	—	—	—
	—	**75R30/R,-/Y,-/PL**	—	120	24	Med. Scr.	—	2,000	—	—	—	—	—
100	39503	**100R30/CL (Clear)**	—	12	24	Med. Scr.	—	2,000	SP	—	—	—	1,200
110	18980	**110R30/FL/RS**	—	120	24	Med. Scr.	—	2,000	FL	—	—	—	—
300	30182	**BEP**	BEP	120	24	Med. Scr.	3400	4	MFL	—	30	11,000	—
375	30186	**EBR**	EBR	120	24	Med. Scr.	3400	4	MFL	—	40	14,000	—

All lamps operate in any position — except as noted.

(/A = Amber,/B = Blue,/BW = Blue-White,/G = Green,/PK = Pink,/PL = Plant Light,/R = Red,/Y = Yellow,/CVG = Teflon® Coated,/RS = Rough Service)

§ Also available in 130-volt design, with different Ordering Code.

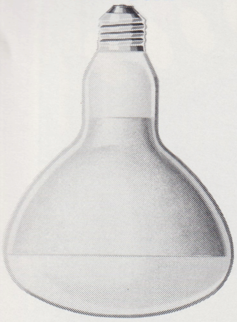
(3) Beam spread to 50% peak candlepower.

(5) Beam spread to 10% peak candlepower.

Reflector (R & ER) Lamps

TABLE 28

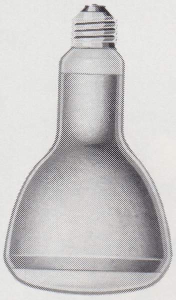
MED. SCR.



R-40

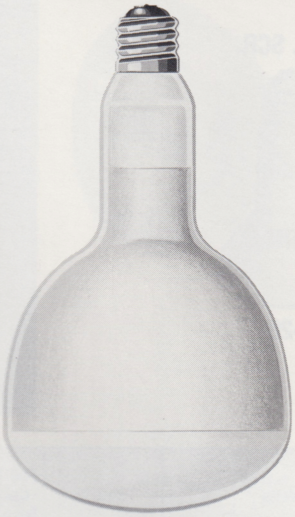
TABLE 29

MED. SCR.



ER-30

MOGUL SCR.



R-52

TABLE 28. **R-40 Bulbs**

Watts	Ordering Code	Description	ANSI Code	Volts	Case Qty	Base	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Approx. Candle-Power(6)	Approx. Field Lumens(7)
75	17736	**75R/FL**	—	120§	24	Med. Scr.	2700	2,000	FL	—	—	—	—
100	18871	**100R/FL**	—	120§	24	Med. Scr.	2700	2,000	FL	—	—	—	—
	18876	**100R/SP**	—	120	24	Med. Scr.	2700	2,000	SP	—	—	—	—
120	15048	**150R/FL/120WM**	—	120§	24	Med. Scr.	2750	2,000	FL	108	55	1,440	—
	15047	**150R/SP/120WM**	—	120§	24	Med. Scr.	2750	2,000	SP	45	21	6,800	—
150	19797	**150R/FL**	DWC	120§	24	Med. Scr.	2750	2,000	FL	125	70	1,230	1,650
	14715	**150R/FL/CVG**	—	130	24	Med. Scr.	—	2,000	FL	—	—	—	—
	19783	**150R/SP**	—	120§	24	Med. Scr.	2750	2,000	SP	65	25	4,500	1,550
	—	**150R/A, -/B, -/BW, -/G**	—	120	24	Med. Scr.	—	2,000	—	—	—	—	—
	—	**150R/PK, -/R, -/Y, -/PL**	—	120	24	Med. Scr.	—	2,000	—	—	—	—	—
	44674	**150R/TB**	—	120§	24	Med. Scr.	—	2,000	SP	—	—	—	—
300	21213	**300R/FL**	—	120§	24	Med. Scr.	2750	2,000	FL	123	77	1,950	3,200
	21229	◇ **300R/FL**	—	120§	24	Med. Scr.	2750	2,000	FL	126	76	1,900	3,100
	21254	◇ **300R/3FL**	—	120§	24	Mog. Scr.	2750	2,000	FL	120	69	2,200	3,200
	21197	**300R/SP**	—	120§	24	Med. Scr.	2750	2,000	SP	60	24	8,900	3,100
375	30138	**BFA (375R34/4)**	BFA	118	24	Med. Scr.	3400	4	MFL	—	35	12,000	—
500	30281	**EAL**	EAL	120	24	Med. Scr.	3200	15	MFL	—	60	6,800	—
	30151	**DXB (RSP-2)**	DXB	118	24	Med. Scr.	3300	6	SP	—	15	45,000	—
	30145	**DXC (RFL-2)**	DXC	118	24	Med. Scr.	3300	6	FL	—	90	5,500	—
	21734	◇ **500R/3FL**	—	120§	24	Mog. Scr.	2800	2,000	FL	124	72	3,800	6,000
	21728	◇ **500R/3SP**	—	120	24	Mog. Scr.	2800	2,000	SP	42	21	21,000	4,700

TABLE 29. **ER-30, ER-40, R-52 & R-60 Bulbs**

Watts	Ordering Code	Description	ANSI Code	Volts	Case Qty	Base	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Approx. Candle-Power(6)	Approx. Field Lumens(7)
50	44429	**50ER30**	—	120§	24	Med. Scr.	—	2,000	—	70	28	1,300	525 (50)
	11476	**50ER30/A, -/PK**	—	120§	24	Med. Scr.	—	2,000	—	—	—	—	—
75	37044	**75ER30**	—	120§	24	Med. Scr.	2700	2,000	—	70	28	1,800	850 (50)
120	41607	**120ER40**	—	120§	24	Med. Scr.	2750	2,000	—	76	28	2,900	1,475 (50)
500	21759	**500R52(26)**	—	120§	12	Mog. Scr.	2800	2,000	—	—	—	—	7,600 (50)
750	22080	**750R52(26)**	—	120§	12	Mog. Scr.	—	2,000	—	—	—	—	13,000 (50)
1,000	23781	◇ **Q1000R60FL**	—	120	6	Mog. Scr.	—	3,000	FL	110	64	15,500	18,300 (50)

All lamps operate in any position — except as noted.

(/A = Amber,/B = Blue, /BW = Blue-White, /G = Green, /PL = Pink, /R = Red, /TB = Transp. Daylight Blue, /Y = Yellow, /PL = Plant Light, /CVG = Teflon® Coated)

§ Also available in 130-volt design, with different Ordering Code.
◇ Heat-resistant glass bulb.
(3) Beam spread to 50% peak candlepower.
(5) Beam spread to 10% peak candlepower.
(7) Measured within field angle.
(50) Total lumens.

Projector (PAR) Lamps

TABLE 30

PAR-20

TABLE 31

PAR-30

Watts	Ordering Code	Description	Volts	Case Qty	Base	Approx. Life (Hrs)	Beam Descr.	Approx. Beam Angle Degrees(3)	Approx. Candle-Power(6)
TABLE 30. PAR-20 Bulbs									
50	17912	**50PAR20/SP/HAL**	120	36	Med. Scr.	2,000	SP	—	1,500
	17867	**50PAR20/NFL/H**	120§	15	Med. Scr.	2,000	NFL	28	1,500
	17864	**50PAR20/NSP/H**	120§	15	Med. Scr.	2,000	NSP	13	4,500
TABLE 31. PAR-30 Bulbs									
50	17869	**50PAR30/NSP/H**	120§	15	Med. Scr.	2,000	NSP	13	6,800
	17871	**50PAR30/NFL/H**	120§	15	Med. Scr.	2,000	NFL	28	2,300
	17873	**50PAR30/FL/H**	120§	15	Med. Scr.	2,000	FL	38	1,450
75	18055	**75PAR30/NSP/H**	120§	15	Med. Scr.	2,000	NSP	13	11,500
	18057	**75PAR30/NFL/H**	120§	15	Med. Scr.	2,000	NFL	28	3,500
	18059	**75PAR30/FL/H**	120§	15	Med. Scr.	2,000	FL	38	2,400

All lamps operate in any position — except as noted.

§ Also available in 130-volt design, with different Ordering Code.

(3) Beam spread to 50% peak candlepower.

Projector (PAR) Lamps

PAR 38/FL

PAR 38/SP/WM

Watts	Ordering Code	Description	Volts	Case Qty	Base	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Approx. Candle-Power(6)	Approx. Total Lumens
TABLE 32. ★ PAR-38 Bulbs												
45	16230	◇**45PAR/FL/H(18)**	120§	12	Med. Sktd.	—	2,000	FL	—	32	1,600	—
	16228	◇**45PAR/SP/H(18)**	120§	12	Med. Sktd.	—	2,000	SP	—	13	6,000	—
45	16232	◇**45PAR/NSP/H(18)**	120§	12	Med. Sktd.	—	2,000	NSP	—	11	8,400	—
55	13299	**55PAR/FL**	120§	12	Med. Sktd.	—	3,000	FL	—	—	—	560
60	18626	**60PAR/FL/HIR(18)**	120§	12	Med. Sktd.	—	2,000	FL	—	32	3,200	—
60	18627	**60PAR/SP/HIR(18)**	120§	12	Med. Sktd.	—	2,000	SP	—	13	13,000	—
65	12802	**75PAR/FL/65WM**	120§	12	Med. Sktd.	2700	2,000	FL	50	30	1,750	675
	12800	**75PAR/SP/65WM**	120§	12	Med. Sktd.	2700	2,000	SP	27	14	4,500	675
	12846	**75PAR/3FL/65WM**	120	12	MSP‡	2700	2,000	FL	50	30	1,750	675
	12847	**75PAR/3SP/65WM**	120	12	MSP‡	2700	2,000	SP	27	14	4,500	675
75	17667	**75PAR/FL**	30	12	Med. Sktd.	—	1,000	FL	60	—	1,800	975
	17670	**75PAR/FL**	36	12	Med. Sktd.	—	1,000	FL	60	—	1,800	975
	17685	**75PAR38/2FL(17) (Cool Beam)**	120§	12	Med. Sktd.	—	2,000	FL	61	32	1,850	900
	17682	**75PAR/3FL/MINE**	120	12	MSP‡	2700	2,000	FL	57	30	1,750	765
	17664	**75PAR/3SP/MINE**	120	12	MSP‡	2700	2,000	SP	27	14	4,500	765
85	13202	**100PAR/FL/85WM**	120	12	Med. Sktd.	2700	2,000	FL	50	30	2,400	930
	13201	**100PAR/SP/85WM**	120§	12	Med. Sktd.	2700	2,000	SP	27	14	8,000	930
	13463	**100PAR/A/85WM**	120	12	Med. Sktd.	—	2,000	FL	60	—	—	—
	13465	**100PAR/B/85WM**	120	6	Med. Sktd.	—	2,000	FL	60	—	—	—
	13466	**100PAR/BW/85WM**	120	6	Med. Sktd.	—	2,000	FL	60	—	—	—
	13474	**100PAR/G/85WM**	120	6	Med. Sktd.	—	2,000	FL	60	—	—	—
	13471	**100PAR/PK/85WM**	120	6	Med. Sktd.	—	2,000	FL	60	—	—	—
	13472	**100PAR/R/85WM**	120	6	Med. Sktd.	—	2,000	FL	60	—	—	—
	13473	**100PAR/Y/85WM**	120	6	Med. Sktd.	—	2,000	FL	60	—	—	—
90	13307	◆**90PAR/FL/H(18)**	120§	12	Med. Sktd.	—	2,000	FL	60	32	3,400	1,450
	13309	◆**90PAR/SP/H(18)**	120§	12	Med. Sktd.	—	14,000	SP	28	12	14,000	1,450
	17691	◇**90PAR/2FL/H(18, 17) (Cool Beam)**	120§	12	Med. Sktd.	—	2,000	FL	—	—	3,400	—
	17693	◇**90PAR/2SP/H(18, 17) (Cool Beam)**	120§	12	Med. Sktd.	—	2,000	SP	—	—	14,000	—
	16582	◇**90PAR/NSP/H(18)**	120§	12	Med. Sktd.	—	2,000	NSP	—	12	15,900	—
100	18822	**100PAR38/FL**	12	12	MSP‡	—	1,000	FL	60	—	2,200	1,400
	18824	**100PAR38/2FL**	12	12	Med. Sktd.	—	1,000	FL	60	—	2,200	1,400
	18635	**100PAR/SP/HIR(18)**	120§	12	Med. Sktd.	—	3,000	SP	—	13	25,000	—
	18631	**100PAR/FL/HIR(18)**	120§	12	Med. Sktd.	—	3,000	FL	—	32	5,000	—
120	12175	**150PAR/FL/120WM**	120§	12	Med. Sktd.	2750	2,000	FL	52	30	4,000	1,370
	12176	**150PAR/SP/120WM**	120§	12	Med. Sktd.	2750	2,000	SP	27	14	11,500	1,370
	12808	**150PAR/3FL/120WM**	120§	12	MSP‡	2750	2,000	FL	52	30	4,000	1,370
	12810	**150PAR/3SP/120WM**	120§	12	MSP‡	2750	2,000	SP	27	14	11,500	1,370
150	43684	**150PAR38/FL**	12	12	MSP‡	—	1,000	FL	—	—	—	—
	19410	**150PAR38**	32	12	MSP‡	—	1,000	SP	19	—	17,500	—
	39182	**150PAR/FL**	120§	12	Med. Sktd.	2750	2,000	FL	60	30	4,000	1,740
	39184	**150PAR/SP**	120§	12	Med. Sktd.	2750	2,000	SP	28	14	11,500	1,740
	34214	**150PAR/WFL**	120§	12	Med. Sktd.	2750	2,000	WFL	117	61	1,400	1,740
	19413	**150PAR38/2FL(17) (Cool Beam)**	120§	12	Med. Sktd.	2800	2,000	FL	63	33	4,150	2,000
	19481	**150PAR38/2SP(17) (Cool Beam)**	120§	12	Med. Sktd.	2800	2,000	SP	30	17	12,500	2,000
	19503	**150PAR/3FL/MINE**	120§	12	MSP‡	2750	2,000	FL	60	30	4,000	1,740
	19487	**150PAR/3SP/MINE**	120§	12	MSP‡	2750	2,000	SP	28	14	11,500	1,740
	—	**150PAR/FL/A, -/B, -/G**	120	12	Med. Sktd.	—	2,000	FL	60	30	—	—
	—	**150PAR/FL/R, -/Y**	120	12	Med. Sktd.	—	2,000	FL	60	30	—	—
	11108	•**Q150PAR38FL(23)**	120	12	Med. Sktd.	2900	4,000	FL	55	30	4,900	1,900
	11107	•**Q150PAR38SP(23)**	120	12	Med. Sktd.	2900	4,000	SP	28	14	19,000	1,900
250	23718	•**Q250PAR38FL(23)**	120	12	Med. Sktd.	2900	6,000	FL	60	35	6,500	3,500
	23719	•**Q250PAR38SP(23)**	120	12	Med. Sktd.	2900	6,000	SP	24	10	28,000	3,500

All lamps operate in any position — except as noted.

◆ Replace with Energy Saving HALOGEN-IR™ (HIR) Lamp.

(/A = Amber,/B = Blue, /BW = Blue White, /G = Green, /R = Red, /Y = Yellow)

§ Also available in 130-volt design, with different Ordering Code.

‡ MSP = Medium Side Prong base.

◇ Halogen lamp

• Quartzline® lamp.

★ Heat-resistant PAR bulb.

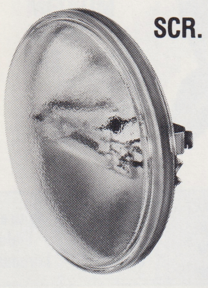
(3) Beam spread to 50% peak candlepower.

(5) Beam spread to 10% peak candlepower.

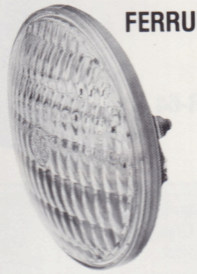
(17) Use only in fixtures designed for "Cool Beam" PAR lamps.

Projector (PAR) Lamps

TABLE 33



SCR. TERM.



FERRULE

PAR-36

TABLE 34

SCR. TERM

MSP‡

PAR-46

Watts	Ordering Code	Description	ANSI Code	Volts	Case Qty	Base	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Approx. Candle-Power(6)	Approx. Field Lumens(7)
TABLE 33. ★ **PAR-36 Bulbs**													
25	14553	**25PAR36**(12)	—	5.5	12	Scr. Term.	3000	1,000	VNSP	5½ x 4½	—	30,000	—
	14554	**25PAR36NSP**(12)	—	12	12	Scr. Term.	—	2,000	NSP	19 x 17	10 x 8	4,500	—
	14555	**25PAR36WFL**(12)	—	12	12	Scr. Term.	—	2,000	WFL	49 x 41	37 x 26	500	—
	14556	**25PAR36/VWFL**(12)	—	12	12	Scr. Term.	—	2,000	VWFL	82 x 80	40 x 33	250	—
30	15133	◇**H4515**(12, 18)	—	6.4	12	Scr. Term.	—	100	VNSP	5½ x 4	—	67,000	—
	24673	**4515**(12)	—	6.4	12	Scr. Term.	—	100	VNSP	5 x 5	—	55,000	—
	24425	**4405**(12)	—	12.8	12	Scr. Term.	—	100	VNSP	6 x 5	—	50,000	—
	15129	◇**H4405**(12, 18)	—	12.8	12	Scr. Term.	—	100	VNSP	7 x 4	—	66,000	—
37.5	42838	**H7616**	—	12.8	12	Scr. Term.	—	300	VNSP	7 x 4	—	70,000	—
50	12892	**50PAR36VNSP**(12)	—	12	12	Scr. Term.	—	2,000	VNSP	11 x 9	—	25,000	—
	16540	**50PAR36NSP**(12)	—	12	12	Scr. Term.	—	2,000	NSP	20 x 17	11 x 9	9,200	—
	16541	**50PAR36WFL**(12)	—	12	12	Scr. Term.	—	2,000	WFL	48 x 41	36 x 28	1,300	—
	11468	**50PAR36WFL/4**(12)	—	12	12	Scr. Term.	—	4,000	WFL	48 x 41	36 x 28	1,150	—
	16542	**50PAR36VWFL**(12)	—	12	12	Scr. Term.	—	2,000	VWFL	80 x 80	40 x 37	600	—
	43576	◇**H7604**(12)	—	12.8	12	Scr. Term.	—	100	VNSP	7 x 5	—	100,000	—
	24640	**4505**	—	28	12	Scr. Term.	—	400	VNSP	11 x 5	—	45,000	—
100	40820	**DWH/DWJ**	DWH/DWJ	6.3	12	Scr. Term.	3400	3	MFL	—	35 x 25	6,500	—
	24650	**4509**	—	13	12	Scr. Term.	—	25	VNSP	12 x 6	—	110,000	—
	41503	**4509X**(12)	—	13	12	Scr. Term.	—	25	VNSP	12 x 6	—	110,000	—
	24892	**4595**	—	13	12	Scr. Term.	—	300	VNSP	14 x 6	—	60,000	—
	24882	**4591**	—	28	12	Scr. Term.	—	25	VNSP	12 x 6	—	90,000	—
	24891	**4594**	—	28	12	Scr. Term.	—	300	VNSP	13 x 7	—	70,000	—
250	39565	**FGS/DWA**	FGS/DWA	120	12	Ferrule	3400	4	NFL	—	30 x 20	18,000	—
650	41667	•**DWE-Q650PAR36/1**(14)	DWE	120	12	Scr. Term.	3200	100	MFL	—	40 x 30	24,000	—
	41666	•**DXK-Q650PAR36/2**(14)	DXK	120	12	Ferrule	3400	30	MFL	—	40 x 30	30,000	—
	41668	•**FAY-Q650PAR/3D**(14)	FAY	120	12	Ferrule	5000	35	SP	—	25 x 15	35,000	—
	41669	•**FBE-Q650PAR36/5D**(14)	FBE	120	12	Scr. Term.	5000	35	SP	—	25 x 15	35,000	—
	41670	•**FBJ-Q650PAR36/3**(14)	FBJ	120	12	Ferrule	3400	30	SP	—	25 x 15	75,000	—
	41671	•**FBO-Q650/PAR36/5**(14)	FBO	120	12	Scr. Term.	3400	30	SP	—	25 x 15	75,000	—
	41672	•**FCW-Q650PAR36/6**(14)	FCW	120	12	Ferrule	3200	100	FL	—	60 x 55	9,000	—
	41673	•**FCX-Q650PAR36/7**(14)	FCX	120	12	Ferrule	3200	100	MFL	—	40 x 30	24,000	—
	41675	•**FGK-Q650PAR36/8D**(14)	FGK	120	12	Scr. Term.	5000	35	NFL	—	—	24,000	—
TABLE 34. ★ **PAR-46 Bulbs**													
25	14562	**25PAR46**(12)	—	5.5	12	Scr. Term.	—	1,000	VNSP	5½ x 4½	—	55,000	—
30	24735	**4535**(12)	—	6.4	12	Scr. Term.	—	100	VNSP	5½ x 4	—	95,000	—
	24577	**4435**(12)	—	12.8	12	Scr. Term.	—	300	VNSP	5 x 5	—	75,000	—
35	24582	**4436**	—	12.8	12	Scr. Term.	—	300	VNSP	10 x 4	—	60,000	—
52	43591	◇**H7635**(18)	—	12.8	12	Scr. Term.	—	100	VNSP	6½ x 4	—	160,000	—
150	19512	**150PAR46/1**(24)	—	32	12	Scr. Term.	—	800	VNSP	9 x 9	—	100,000	—
	41966	**150PAR46/3NSP**(24)	—	125	12	MSP‡	2750	2,000	NSP	22 x 20	12 x 9	20,000	750
	41968	**150PAR46/3MFL**(24)	—	125	12	MSP‡	2750	2,000	MFL	39 x 25	26 x 13	8,000	850
200	20115	**200PAR46/3NSP**(24)	—	120	12	MSP‡	2750	2,000	NSP	23 x 19	12 x 8	31,000	1,300
	20117	**200PAR46/3NSP**(24)	—	130	12	MSP‡	2750	2,000	NSP	23 x 19	12 x 8	31,000	1,300
	20138	**200PAR46/3MFL**(24)	—	120	12	MSP‡	2750	2,000	MFL	40 x 24	27 x 13	11,500	1,300
	20140	**200PAR46/3MFL**(24)	—	130	12	MSP‡	2750	2,000	MFL	40 x 24	12 x 13	11,500	1,300
250	24799	**4553**(24)	—	28	12	Scr. Term.	—	25	VNSP	11 x 12	—	300,000	—

All lamps operate in any position — except 250W & 650W beam approx. horizontal

◇Halogen sealed beam lamp.
★Heat-resistant PAR bulb.
•Quartzline® lamp.
‡MSP = Medium Side Prong base.

Projector (PAR) Lamps

TABLE 35
EMEP‡
PAR-56

TABLE 36
EMEP‡
PAR-64

Watts	Ordering Code	Description	ANSI Code	LIF Code	Volts	Case Qty	Base	Approx. Color Temp (K)	Approx. Life (Hrs)	Beam Descr.	Approx. Field Angle Degrees(5)	Approx. Beam Angle Degrees(3)	Approx. Candle-Power(6)	Approx. Field Lumens(7)
TABLE 35. ★ **PAR-56 Bulbs(24)**														
100	24768	**4545(12)**	—	—	12	12	Scr. Term.	—	100	VNSP	9 x 5	—	225,000	—
	24764	**4543**	—	—	12.5	12	Scr. Term.	—	50	VNSP	9 x 5	—	225,000	—
120	19023	**120PAR56/VNSP**	—	—	12	12	Scr. Term.	—	2,000	VNSP	15 x 10	8 x 6	60,000	—
	19024	**120PAR56/MFL**	—	—	12	12	Scr. Term.	—	2,000	MFL	29 x 15	18 x 9	19,000	—
	19025	**120PAR56/WFL**	—	—	12	12	Scr. Term.	—	2,000	WFL	50 x 25	35 x 18	5,625	—
200	20122	**200PAR**	—	—	30	12	Scr. Term.	—	500	VNSP	9 x 9	—	270,000	—
	49889	**200PAR56/MFL(9)**	—	—	120	12	MEP†	2750	2,000	MFL	34 x 22	22 x 13	15,000	—
240	20575	**240PAR56/VNSP(9)**	—	—	12	12	Scr. Term.	—	2,000	VNSP	17 x 10	9 x 6	140,000	—
	20576	**240PAR56/MFL(9)**	—	—	12	12	Scr. Term.	—	2,000	MFL	28 x 15	19 x 8	46,000	—
	20577	**240PAR56/WFL(9)**	—	—	12	12	Scr. Term.	—	2,000	WFL	50 x 27	35 x 18	13,000	—
300	20803	**300PAR56/NSP(9)**	—	—	120	12	MEP†	2750	2,000	NSP	20 x 14	10 x 8	68,000	1,800
	20836	**300PAR56/MFL(9)**	—	—	120	12	MEP†	2750	2,000	MFL	34 x 19	23 x 11	24,000	2,100
	20849	**300PAR56/WFL(9)**	—	—	120	12	MEP†	2750	2,000	WFL	57 x 27	37 x 18	11,000	2,200
	20838	**300PAR56/MFL(9)**	—	—	130	12	MEP†	2750	2,000	MFL	34 x 19	23 x 11	24,000	2,100
	39398	**300PAR56/2NSP(17,9) (Cool Beam)**	—	—	130	12	EMEP‡	2750	2,000	NSP	22 x 14	11 x 8	78,000	1,800
	20851	**300PAR56/WFL(9)**	—	—	130	12	MEP†	2750	2,000	WFL	57 x 27	37 x 18	11,000	2,200
	39400	**300PAR56/2MFL(17,9) (Cool Beam)**	—	—	120	12	EMEP‡	2750	2,000	MFL	30 x 17	21 x 10	32,000	2,100
	39403	**300PAR56/2WFL(17,9) (Cool Beam)**	—	—	120	12	EMEP‡	2750	2,000	WFL	53 x 28	37 x 19	11,400	2,200
450	24756	**4541(9)**	—	—	28	12	Scr. Term.	—	25	NSP	15 x 11	—	470,000	—
500	43494	**•Q500PAR56NSP(14)**	—	—	120	6	MEP†	2950	4,000	NSP	32 x 15	13 x 8	96,000	4,000
	43495	**•Q500PAR56MFL(14)**	—	—	120	6	MEP†	2950	4,000	MFL	42 x 20	26 x 10	43,000	4,800
	43496	**•Q500PAR56MFL(14)**	—	—	120	6	MEP†	2950	4,000	WFL	66 x 34	44 x 20	19,000	6,400
TABLE 36. ★ **PAR-64 BULBS(24)**														
100	39394	**100PAR64(12)**	—	—	6	12	Scr. Term.	—	50	VNSP	7 x 4	—	30,000	—
120	39395	**120PAR(12)**	—	—	6	12	Scr. Term.	—	3,000	VNSP	9 x 5	—	180,000	—
250	40576	**4552**	—	—	28	12	Scr. Term.	—	25	VNSP	8 x 7	—	50,000	—
500	39406	**500PAR64/NSP(9)**	—	—	120	12	EMEP‡	2800	2000	NSP	19 x 14	12 x 7	110,000	3,000
	39407	**500PAR64/NSP(9)**	—	—	130	12	EMEP‡	2800	2,000	NSP	19 x 14	12 x 7	110,000	3,000
	39409	**500PAR64/MFL(9)**	—	—	120	12	EMEP‡	2800	2,000	MFL	35 x 19	23 x 11	37,000	3,300
	39410	**500PAR64/MFL(9)**	—	—	130	12	EMEP‡	2800	2,000	MFL	35 x 19	23 x 11	37,000	3,300
	39412	**500PAR64/WFL(9)**	—	—	120	12	EMEP‡	2800	2,000	WFL	55 x 32	42 x 20	13,000	3,400
	39413	**500PAR64/WFL(9)**	—	—	130	12	EMEP‡	2800	2,000	WFL	55 x 32	42 x 20	13,000	3,400
	20254	**500PAR64/VNSP(9)**	—	CP86	220	6	EMEP	3200	150	VNSP	16 x 13	10 x 7	240,000	—
	20256	**500PAR64/VSNP(9)**	—	CP86	240	6	EMEP	3200	150	VNSP	16 x 13	10 x 7	240,000	—
	20258	**500PAR64/NSP(9)**	—	CP87	220	6	EMEP	3200	150	NSP	19 x 16	11 x 9	140,000	—
	20263	**500PAR64/NSP(9)**	—	CP87	240	6	EMEP	3200	150	NSP	19 x 16	11 x 9	140,000	—
	20264	**500PAR64/MFL(9)**	—	CP88	220	6	EMEP	3200	150	MFL	32 x 19	21 x 10	65,000	—
	20265	**500PAR64/MFL(9)**	—	CP88	240	6	EMEP	3200	150	MFL	32 x 19	21 x 10	65,000	—
	20266	**500PAR64/WFL(9)**	—	—	220	6	EMEP	3200	150	WFL	85 x 85	66 x 66	7,000	—
	20267	**500PAR64/WFL(9)**	—	—	240	6	EMEP	3200	150	WFL	85 x 85	66 x 66	7,000	—
600	40578	**4559(9)**	—	—	28	12	Scr. Term.	—	25	VNSP	11 x 12	—	600,000	—
	40579	**•Q4559(14)**	—	—	28	12	Scr. Term.	—	100	VNSP	12 x 8	—	600,000	—
	42552	**•Q4559X(14)**	—	—	28	12	Scr. Term.	—	100	VNSP	11 x 7½	—	765,000	—
1,000	43497	**•Q1000PAR64NSP(14)**	—	—	120	6	EMEP‡	3000	4,000	NSP	31 x 14	15 x 8	200,000	9,700
	43498	**•Q1000PAR64MFL(14)**	—	—	120	6	EMEP‡	3000	4,000	MFL	45 x 22	28 x 12	80,000	11,400
	43499	**•Q1000PAR64WFL(14)**	—	—	120	6	EMEP‡	3000	4,000	WFL	72 x 45	48 x 24	33,000	15,400
	13233	**•FFN-Q1000PAR64/1(14)**	FFN	—	120	6	EMEP‡	3200	800	VNSP	24 x 10	12 x 6	400,000	11,000
	13229	**•FFP-Q1000PAR64/2(14)**	FFP	—	120	6	EMEP‡	3200	800	NSP	26 x 14	14 x 7	330,000	12,000
	13228	**•FFR-Q1000PAR64/5(14)**	FFR	—	120	6	EMEP‡	3200	800	MFL	44 x 21	28 x 12	125,000	14,000
	13227	**•FFS-Q1000PAR64/6(14)**	FFS	—	120	6	EMEP‡	3200	800	WFL	71 x 45	48 x 24	40,000	19,000
	13226	**•FGM-Q1000PAR64/3D(14)**	FGM	—	120	6	EMEP‡	3200	200	NSP	24 x 12	13 x 6	200,000	7,000
	13225	**•FGN-Q1000PAR64/7D(14)**	FGN	—	120	6	EMEP‡	3200	200	MFL	43 x 20	27 x 11	70,000	8,200
	19909	**•EXC-Q1MPAR64(14)**	EXC	CP60	220	6	EMEP‡	3200	300	VNSP	20 x 17	12 x 6	400,000	—
	19910	**•EXC-Q1MPAR64(14)**	EXC	CP60	240	6	EMEP‡	3200	300	VNSP	20 x 17	12 x 6	400,000	—
	19911	**•EXD-Q1MPAR64(14)**	EXD	CP61	220	6	EMEP‡	3200	300	NSP	23 x 20	13 x 10	260,000	—
	19912	**•EXD-Q1MPAR64(14)**	EXD	CP61	240	6	EMEP‡	3200	300	NSP	23 x 20	13 x 10	260,000	—
	19913	**•EXE-Q1MPAR64(14)**	EXE	CP62	220	6	EMEP‡	3200	300	MFL	39 x 24	25 x 14	110,000	—
	19914	**•EXE-Q1MPAR64(14)**	EXE	CP62	240	6	EMEP‡	3200	300	MFL	39 x 24	25 x 14	110,000	—
	19915	**•EXG-Q1MPAR64(14)**	EXG	—	220	6	EMEP‡	3200	300	WFL	60 x 38	45 x 24	40,000	—
	19918	**•EXG-Q1MPAR64(14)**	EXG	—	240	6	EMEP‡	3200	300	WFL	60 x 38	45 x 24	40,000	—

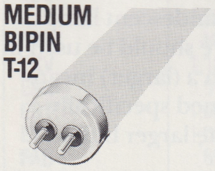
All lamps operate in any position — except as noted.
★ Heat-resistant PAR bulb.
‡Extended Mogul End Prong base
†Mogul End Prong base
•Quartzline® lamp

(9) Although this lamp is made of heat-resistant glass, the bulb and lens should be protected from moisture or breakage may result. To protect persons against risk of breakage, use a protective screen external to the lamp.
(12) Hemispherical shield in front of filament, masking all direct light.
(17) Use only in fixtures designed for "Cool Beam" PAR lamps.
(24) To protect persons against risk of breakage, use a protective screen external to lamp.

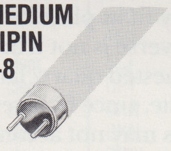
Fluorescent Lamps — High CRI & Black Light

Use with the same ballasts/sockets as standard color fluorescents

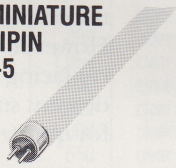
MEDIUM BIPIN T-12



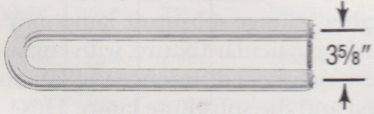
MEDIUM BIPIN T-8



MINIATURE BIPIN T-5



MOD-U-LINE® LAMP



RECESSED DOUBLE CONTACT T-12

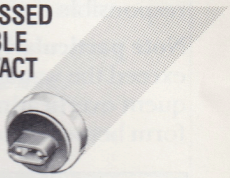


TABLE 37. High CRI Fluorescent (Medium Bipin bases)

Nominal Watts*	Bulb	Ordering Code	Description	Case-Qty.	Nominal Lgth Inches	Nominal Lgth cm	Approx. Initial Lumens*	Rated Avg. Life (Hr)*	Approx. Correlated Color Temp. (K)	Approx. CRI	Ballast Starting Circuits
15	T-8	10150	**F15T8/CWX**	24	18	7.1	610	7,500	4175	89	PH or Trig.
		38185	**F15T8/C50**	24	18	7.1	590	7,500	5000	90	PH or Trig.
20	T-12	15109	**F20T12/SPX30**	24	24	9.5	1,320	9,000	3000	82	PH or Trig.
		10223	**F20T12/WWX**	24	24	9.5	820	9,000	3025	77	PH or Trig.
		15354	**F20T12/SPX35**	24	24	9.5	1,290	9,000	3500	82	PH or Trig.
		10220	**F20T12/CWX**	24	24	9.5	850	9,000	4175	89	PH or Trig.
		38114	**F20T12/C50**	24	24	9.5	850	9,000	5000	90	PH or Trig.
30	T-8	16323	**F30T8/SPX30**	24	36	14.2	2,270	7,500	3000	82	PH
		10320	**F30T8/CWX**	24	36	14.2	1,500	7,500	4175	89	PH
	T-12	15108	**F30T12/SPX30/RS**	24	36	14.2	2,400	18,000	3000	82	RS
		10362	**F30T12/WWX/RS**	24	36	14.2	1,490	18,000	3025	77	RS
		15355	**F30T12/SPX35/RS**	24	36	14.2	2,370	18,000	3500	82	RS
		10358	**F30T12/CWX/RS**	24	36	14.2	1,530	18,000	4175	89	RS
		38115	**F30T12/C50/RS**	24	36	14.2	1,600	18,000	5000	90	RS
40	T-12	15079	**F40SPX30**	30	48	18.9	3,275	20,000†	3000	82	RS or PH
		13801	**F40WWX**	30	48	18.9	2,200	20,000†	3025	77	RS or PH
		15083	**F40SPX35**	30	48	18.9	3,275	20,000†	3500	82	RS or PH
		15084	**F40SPX41**	30	48	18.9	3,275	20,000†	4100	82	RS or PH
		13793	**F40CWX**	30	48	18.9	2,250	20,000†	4175	89	RS or PH
		13794	**F40/C50**	30	48	18.9	2,200	20,000†	5000	90	RS or PH
		13799	**F40SGN**	30	48	18.9	2,400	20,000†	5200	82	RS or PH
		13795	**F40/C75**	30	48	18.9	2,000	20,000†	7500	92	RS or PH

TABLE 38. Black Light Fluorescent

Nominal Watts*	Bulb	Ordering Code	Description	Case-Qty.	Nominal Lgth Inches	Nominal Lgth cm	Base	Rated Avg. Life (Hr)*	Ballast Starting Circuit§	Notes
4	T-5	10017	**F4T5/BL**	24	6	2.4	Min. Bipin	6,000	PH	—
		10019	**F4T5/BLB**	24	6	2.4	Min. Bipin	6,000	PH	—
6	T-5	10047	**F6T5/BLB**	24	9	3.5	Min. Bipin	7,500	PH	—
8	T-5	10077	**F8T5/BLB**	24	12	4.7	Min. Bipin	7,500	PH	—
15	T-8	35884	**F15T8/BL**	24	18	7.1	Med. Bipin	7,500	PH or Trig.	—
		35885	**F15T8/BLB**	24	18	7.1	Med. Bipin	7,500	PH or Trig.	—
20	T-12	10244	**F20T12/BL**	24	24	9.5	Med. Bipin	9,000	PH or Trig.	—
		34747	**F20T12/BLB**	24	24	9.5	Med. Bipin	9,000	PH or Trig.	—
20/25	T-12	12194	**F20T12/BL/U/3**	12	12	4.7	Med. Bipin	9,000	PH or Trig.	Mod-U-Line®
25	T-8	47718	**F25T8/BL**	24	18	7.1	Med. Bipin	7,500	Special	—
35/40	T-12	12057	**F35T12/BL/U/3**	12	12	4.7	Med. Bipin	7,500	Special	Mod-U-Line®
40	T-12	10526	**F40BL**	24	48	18.9	Med. Bipin	20,000†	RS or PH	—
		10531	**F40BLB**	24	48	18.9	Med. Bipin	20,000†	RS or PH	—
		40537	**F40BL/U/3**	12	24	9.5	Med. Bipin	12,000	RS or PH	Mod-U-Line®
85	T-12	37234	**F72T12/BL/HO**	12	72	28.4	Recessed D.C.	12,000	RS (800ma.)	High-Output

* Ratings based on operation under standardized laboratory conditions: Avg. Life at 3 hours per start; Nominal Watts for lamp only — ballast watts not included. Actual average Watts and Lumens depend on the specific ballast, fixture and environmental operating conditions.

§ PH = Preheat circuit (starter required); Trig. = Trigger Start (no starter used); RS = Rapid Start (no starter used).

† Rated Avg. Life 20,000 + hours on Rapid Start circuits; 15,000 hours on Preheat circuits.

BL Types require auxiliary filter to remove visible light.

BLB Types have internal dark blue filter.

GE Stage/Studio Lamp Substitution Guides

Most of the suggested substitutes are directly interchangeable with the recommended lamp. However, GE cannot be responsible if a substitute lamp is not satisfactory.

Note particularly: (1) A higher-wattage substitute lamp may exceed the wattage rating of a particular fixture, with consequent overheating. (2) There may be a difference in filament form between the requested and the substitute lamp. This could slightly alter the fixture efficiency or beam shape. (3) Quartzline® substitutes for conventional incandescent lamps are almost always smaller in overall size and will therefore readily fit in place of the incandescent lamp. However, the reverse is not true, so care should be used in replacing a requested quartz lamp with a (larger) incandescent substitute, since fixtures designed specifically for quartz lamps may not accommodate larger bulbs.

Lamp Requested (By ANSI Code)			This Lamp May Be Substituted			Substitute Lamp Differs in These Respects from the Requested Lamp				
Code	Watts	Bulb Finish	Description	Watts	Bulb Finish	Light	Life	Heat	Lamp Dimensions	Other
BTS	800	clear	DVY	650	clear	less	more	less	same	G-6 bulb
BWB	2,000	clear	BWA	2,000	clear	less	more	same	same	3200°K
BWG	2,000	frosted	BWF	2,000	clear	more	same	same	same	—
BWL	2,000	frosted	BWF	2,000	clear	more	same	same	4¼″ shorter	Requires 4¼″ socket extension
CYW	2,000	clear	CYX	2,000	clear	less	more	same	same	3200°K
DAN	200	frosted	BEP	300	frosted	more	same	more	1¼″ wider	—
DMY	5,000	clear	DPY	5,000	clear	more	more	same	1″ longer	Monoplane filament
DMZ	5,000	clear	DPY	5,000	clear	less	more	same	1″ longer	Monoplane filament
DNR	500	clear	DMX	500	clear	more	more	same	same	Monoplane filament
DNT/FMD	750	clear	EGF	750	clear	more	same	same	smaller	CC-8 filament
DNV/FME	1,000	clear	EGJ	1,000	clear	same	more	same	smaller	CC-8 filament
DPK	5,000	clear	DPY	5,000	clear	more	more	same	smaller	Quartzline lamp
DPZ	5,000	clear	DPY	5,000	clear	less	more	same	same	3200°K
DSD	1,000	frosted	DKZ	1,000	frosted	more	more	same	larger	PS-52 bulb
DSN	750	clear	EGR	750	clear	more	same	same	smaller	Quartzline lamp-3200°K
DTZ	10M	clear	DTY	10M	clear	less	more	same	same	3200°K
DVB	1,000	clear	CYV	1,000	clear	more	more	same	smaller	Quartzline lamp-3200°K
DVE	2,000	clear	CYX	2,000	clear	same	more	same	smaller	Quartzline lamp
DVJ	2,000	clear	CYX	2,000	clear	same	more	same	smaller	Quartzline lamp
DVK	2,000	clear	CYX	2,000	clear	same	more	same	smaller	Quartzline lamp
DVS	500	clear	Q500T3/CL(130V)	50	clear	more	less	same	same	130 volt lamp
DVV	1,500	clear	FER	1,000	clear	less	more	less	same	—
DVV	1,500	clear	FEY	2,000	clear	more	same	more	same	⅓ more heat!
DWL	100	—	DWH	100	—	same	same	same	same	—
DWS	1,000	clear	FER	1,000	clear	less	more	same	same	3200°K
DWW	460	clear	FAL	420	clear	less	more	less	same	—
DXD	500	frosted	DXB	500	frosted	more	less	more	same	118V lamp
DXE	500	frosted	DXC	500	frosted	more	less	more	same	118V lamp
DXH	375	frosted	EAL	500	frosted	more	same	more	same	⅓ more heat!
DXL	650	clear	DWY	650	clear	less	more	same	same	—
DXV	800	clear	DXX(230V)	800	clear	less	more	same	same	3200°K
DXY	650	—	DWE	650	—	less	more	same	same	Quartzline lamp
DYM	420	clear	DYH	600	clear	more	same	more	same	40% more heat!
DYN	1,000	frosted	DYA	1,000	clear	same	same	same	same	—
ECC	1,000	clear	BVV	1,000	clear	same	more	same	smaller	Quartzline lamp
ECG	2,000	clear	CYX	2,000	clear	same	more	same	smaller	Quartzline lamp
ECH	2,000	clear	BVW	2,000	clear	same	more	same	smaller	Quartzline lamp
ECJ	2,000	clear	CYX	2,000	clear	same	more	same	smaller	Quartzline lamp
ECK	2,000	clear	CYX	2,000	clear	less	more	same	smaller	Quartzline lamp-3200°K
ECL	2,000	clear	CYX	2,000	clear	less	more	same	smaller	Quartzline lamp-3200°K
ECM	5,000	clear	DPY	5,000	clear	less	more	same	smaller	Quartzline lamp-3200°K
ECX	1,000	clear	DKZ	1,000	frosted	same	more	same	same	Quartzline lamp
ECY	1,500	frosted	DKX	1,500	frosted	same	more	same	same	Quartzline lamp
EDB	500	clear	DMX	500	clear	same	more	same	same	—
EDC	500	clear	500T20/63	500	clear	same	more	same	same	—
EDE	1,000	clear	DPY	1,000	clear	same	more	same	same	—
EDG	750	clear	750T24/16	750	clear	same	more	same	same	—
EDH	750	clear	750T24/16	750	clear	less	more	same	same	3200°K
EDM	2,000	clear	CYX	2,000	clear	less	more	same	smaller	Quartzline lamp-3200°K
EDN	5,000	clear	DPY	5,000	clear	less	more	same	smaller	Quartzline® lamp-3200°K
EDZ	500	frosted	EBV	500	frosted	more	less	more	same	118V lamp
EEM	1,000	frosted	DKZ	1,000	frosted	same	more	same	same	Quartzline lamp
EER	2,000	clear	CYX	2,000	clear	same	less	same	smaller	—
EFJ	1,000	frosted	FCV	1,000	frosted	more	less	same	same	—
EFX	500	clear	500T14/7	500	clear	less	less	same	1¾″ diam. bulb	Non-Quartzline lamp
EFY	1,500	frosted	DKX	1,500	frosted	same	more	same	same	Quartzline lamp
EFZ	2,000	clear	CYX	2,000	clear	more	more	same	smaller	Quartzline lamp
EGD	500	clear	EGC	500	clear	more	same	same	same	—
EGL	1,000	clear	EGJ	1,000	clear	more	same	same	same	—
EGN	500	clear	500T20/63	500	clear	more	less	same	2½″ diam. bulb	Non-Quartzline lamp
EGP	500	clear	500T20/63	500	clear	less	more	same	2½″ diam. bulb	Non-Quartzline lamp-3200°K
EGS	750	clear	EGR	750	clear	less	more	same	same	3200°K
EGV	1,000	clear	EGT	1,000	clear	less	more	same	same	3200°K
EHB	500	clear	EHC	500	clear	more	less	same	same	—
EHK	1,000	clear	FEL	1,000	clear	more	less	same	same	—
EHN	300	clear	Q300T3/CL	300	clear	less	more	same	same	2950°K
EHS	1,000	clear	FER	1,000	clear	more	same	same	same	—
EHX	300	frosted	Q300T4/CL	300	clear	more	same	same	same	—
EHY	300	frosted	Q300T3	300	frosted	less	more	same	same	2950°K
EJB	800	clear	EME	800	clear	less	more	less	same	240V lamp

Lamp Requested (By ANSI Code)			This Lamp May Be Substituted			Substitute Lamp Differs in These Respects from the Requested Lamp				
Code	Watts	Bulb Finish	Description	Watts	Bulb Finish	Light	Life	Heat	Lamp Dimensions	Other
EJC	800	frosted	EMF	800	frosted	less	more	less	same	240V lamp
EJE	1,000	frosted	EJD	1,000	clear	same	same	same	same	—
EKH	800	clear	EME	800	clear	less	more	less	same	240V lamp
EKV	1,100	clear	ELJ	1,050	clear	less	more	less	same	3200°K
EMJ	5,000	clear	DPY	5,000	clear	same	more	same	smaller	Quartzline lamp
EST	1,000	clear	DXN	1,000	clear	same	more	same	same	—
ETT	1,000	clear	DXN	1,000	clear	more	less	same	same	—
FAB	650	clear	DWY	650	clear	less	more	same	same	—
FAP	650	—	FAY	650	—	more	more	same	same	Quartzline lamp
FAZ	650	—	DXK	650	—	more	more	same	same	Narrower beam
FBZ	1,000	frosted	FBY	1,000	frosted	less	more	same	same	3200°K
FBZ	1,000	frosted	DXN	1,000	clear	same	more	same	same	—
FCA	650	frosted	DWY	650	clear	same	same	same	same	—
FDA	400	clear	Q400T4/CL	400	clear	less	more	same	same	2900°K
FEG	2,000	frosted	FEY	2,000	clear	more	more	same	same	—
FFW	2,000	clear	FDB	1,500	clear	less	more	less	same	—
FGB	750	clear	FCB	600	clear	less	less	less	same	See footnote (4)
FGD	500	clear	FCB	600	clear	more	less	more	same	See footnote (4). More heat!
FGJ	650	—	FAY	650	—	more	more	same	same	Narrower beam
FGP	1,000	—	FGN	1,000	—	more	same	same	same	Narrower beam
FGV	1,000	frosted	FFT	1,000	clear	same	same	same	same	—
FKA	650	clear	BTL	500	clear	less	less	less	same	—
FKA	650	clear	BTN	750	clear	more	less	more	same	15% more heat!
FKC	1,000	clear	BTR	1,000	clear	more	less	same	smaller	—
FKL	650	clear	BTL	500	clear	less	less	less	same	—
FKL	650	clear	BTP	750	clear	more	more	more	same	15% more heat!
FKV	650	clear	EHC	500	clear	less	same	less	same	—
FKV	650	clear	EHF	750	clear	more	same	more	same	15% more heat!
FMD	750	clear	EGF	750	clear	more	same	same	smaller	CC-8 filament
FME	1,000	clear	EGJ	1,000	clear	same	more	same	smaller	CC-8 filament
MARC 300/16A	300	—	GEMINI-300(EZM)	300	—	same	more	same	same	—

Lamp Requested			This Lamp May Be Substituted			Substitute Lamp Differs in These Respects from the Requested Lamp			
Description	Watts	Bulb Finish	Description	Watts	Bulb Finish	Light	Life	Lamp Dimensions	Other
250T12/8	250	clear	500T12/8	500	clear	more	same	same	More heat!
500T14/8	500	clear	500T14/7	500	clear	less	more	same	—
500T20/48	500	clear	BTL	500	clear	same	more	smaller	Quartzline® lamp
Q500T12/CL	500	clear	EGE	500	clear	more	same	smaller	Quartzline lamp
750T24/13	750	clear	EGR	750	clear	less	more	smaller	Quartzline lamp-3200°K
Q750T8/4CL	750	clear	EGR	750	clear	same	same	similar	—
Q750T8/4CL/TP	750	clear	BWM	750	clear	same	same	similar	—
1000/1/IF	1,000	frosted	DKZ	1,000	frosted	more	less	same	Quartzline lamp-3200°K
1M/G40/20	1,000	clear	BVV	1,000	clear	more	more	smaller	Quartzline lamp-3200°K
1M/G40/23	1,000	clear	BVV	1,000	clear	more	more	smaller	Quartzline lamp-3200°K
1M/G40/25	1,000	clear	BVV	1,000	clear	same	more	smaller	Quartzline lamp
1M/G48/8	1,000	clear	CYV	1,000	clear	more	more	smaller	Quartzline lamp-3200°K
1M/G48/11	1,000	clear	CYV	1,000	clear	more	same	smaller	Quartzline lamp-3200°K
1M/PS52/77	1,000	clear	DKZ	1,000	frosted	more	more	same	Quartzline lamp
Q1000PAR64/8D	1,000	—	FGN	1,000	—	more	same	same	Narrower beam
Q1000T3/1	1,000	frosted	FFT	1,000	clear	same	same	same	—
Q1000T3(185V)	1,000	frosted	EJD	1,000	clear	same	same	same	—
Q1000T6	1,000	frosted	Q1000T6/CL	1,000	clear	more	same	same	—
Q1000T6/CL/2	1,000	clear	Q1000T6/CL	1,000	clear	more	less	same	—
Q1000T8/4CL	1,000	clear	EGT	1,000	clear	same	same	similar	—
Q1000T8/4CL/TP	1,000	clear	BWN	1,000	clear	same	same	similar	—
Q1000T12/4CL	1,000	clear	EGJ	1,000	clear	same	same	smaller	—
1500PS52/78	1,500	clear	DKX	1,500	frosted	same	more	same	Quartzline lamp
1500PS52/79	1,500	frosted	DKX	1,500	frosted	same	more	same	Quartzline lamp
Q1500T8/4CL	1,500	clear	FER	1,000	clear	less	more	same	—
Q1500 T8/4CL	1,500	clear	FEY	2,000	clear	more	less	same	More heat!
Q2000/4	2,000	frosted	BWF	2,000	clear	more	same	same	—
Q2000/4/95	2,000	frosted	BWF	2,000	clear	more	same	4¼″ shorter	Requires 4¼″ socket extension
2M/G48/5	2,000	clear	BVW	2,000	clear	more	more	smaller	Quartzline lamp-3200°K
2M/G48/21	2,000	clear	BVW	2,000	clear	same	more	smaller	Quartzline lamp
GH2M/G48/4	2,000	clear	CYX	2,000	clear	more	more	smaller	Quartzline lamp
2M/G48/14	2,000	clear	CYX	2,000	clear	less	more	smaller	Quartzline lamp-3200°K
2M/G48/17	2,000	clear	CYX	2,000	clear	more	more	smaller	Quartzline lamp-3200°K
2M/G48/21	2,000	clear	BVW	2,000	clear	same	more	smaller	Quartzline lamp
2M/PS52/34	2,000	frosted	DKX	1,500	frosted	less	same	same	Quartzline lamp-3200°K
Q2000T11/3CL	2,000	clear	CYX	2,000	clear	less	more	similar	3200°K
Q2000T11/4CL	2,000	clear	CYX	2,000	clear	same	same	similar	—
Q2000T30/4CL	2,000	clear	CYX	2,000	clear	same	less	smaller	—
2M/T48/1	2,000	clear	CYX	2,000	clear	same	more	smaller	Quartzline lamp
5M/G64/3	5,000	clear	DPY	5,000	clear	less	more	smaller	Quartzline lamp-3200°K
GH5M/G64/4	5,000	clear	DPY	5,000	clear	same	more	smaller	Quartzline lamp
Q5000T20/3CL	5,000	clear	DPY	5,000	clear	less	more	same	3200°K
5M/T64/1	5,000	clear	DPY	5,000	clear	less	more	smaller	Quartzline lamp-3200°K
5M/T64/3	5,000	clear	DPY	5,000	clear	more	more	smaller	Quartzline lamp
10K/G96	10,000	clear	DTY	10,000	clear	less	more	smaller	Quartzline lamp-3200°K
Q10M/T24/3CL	10,000	clear	DTY	10,000	clear	less	more	same	3200°K

Cross-Reference: Colortran® Codes vs. GE Lamp Codes

Old Colortran Code	GE Equivalent or Substitute Lamp	Current Colortran Code
B2-34	**None**	176-045
B4-30	**Q400T4/CL**	176-005
B4-30F	**Q400T4/CL(32)**	176-006
B5-29	**EJD-Q1000T3/3CL (185V)(33)**	176-019
B5-29F	**EJD-Q1000T3/3CL (185V)(33, 32)**	176-020
B5-30	**Q500T3/CL**	—
B5-30F	**Q500T3**	—
B5-32	**FCM-Q1000T3/4CL**	176-021
B5-32F	**FHM-Q1000T3/4**	176-022
B6-32	**FAD**	176-001
B6-32E	**None**	—
B6-32F	**FBX**	176-002
B6-34	**DWY**	176-003
B6-34F	**FBX(35)**	176-004
B8-32	**DXX (240V)**	176-007
B8-32E	**None**	177-015
B8-32F	**DXX (240V)(32)**	176-008
B8-32EF	**None**	176-016
B8-34	**DXX (230V)(35)**	176-009
B8-34F	**DXX (230V)(32, 35)**	176-010
B10-30	**None**	—
B10-30/6	**Q1000T6/CL**	176-043
B10-30/6F	**Q1000T6/CL(32)**	176-044
B10-31/6	**FER-Q1000T6/4CL(34)**	—
B10-31/6F	**FER-Q1000T6/4CL(32)**	—
B10-32	**DXW**	176-011
B10-32E	**DYA**	176-017
B10-32EF	**DYA(32)**	176-018
B10-32F	**FBY**	176-012
B10-32S	**None**	—
B10-32/6	**FER-Q1000T6/4CL**	176-039
B10-32/6F	**FER-Q1000T6/4CL(32)**	176-040
B10-34	**DXN**	176-013
B10-34F	**DXN(32)**	176-014
B10-34/6	**FER-Q1000T6/4CL(35)**	176-041
B10-34/6F	**FER-Q1000T6/4CL(32, 35)**	176-042
B20-32/8	**FEY-Q2000T8/4CL**	176-047
B20-32/8F	**FEY-Q2000T8/4CL(32)**	—
B25-32	**EME-Q800T3/4CL (240V)**	176-027
B25-32F	**EMF-Q800T3/4 (240V)**	176-028
B55-32	**FDF-Q500T3/4CL**	176-023
B55-32F	**FDN-Q500T3/4**	176-024
B75-32	**EJG-Q750T3/4CL**	176-025
B75-32F	**EMD-Q750T3/4**	176-026
B-150	**None**	178-034
B-200	**None**	178-035
BHG-12	**None**	178-039
BPM6-32	**DWE**	176-051

Old Colortran Code	GE Equivalent or Substitute Lamp	Current Colortran Code
BPM6-50	**FBE**	176-049
BPM10-32	**FFR-Q1000PAR64/5**	176-059
BPM10-34	**FFR-Q1000PAR64/5(35)**	176-063
BPM10-52	**FGN-Q1000PAR64/7D**	176-069
BPNS10-32	**FFN-Q1000PAR64/1**	176-055
BPNS10-34	**FFN-Q1000PAR64/1(35)**	—
BPS6-34	**FBO**	176-053
BPS10-32	**FFP-Q1000PAR64/2**	176-057
BPS10-34	**FFP-Q1000PAR64/2(35)**	—
BPS10-52	**FGM-Q1000PAR64/3D**	176-067
BPW6-50	**FGK**	—
BPW10-32	**FFS-Q1000PAR64/6**	176-061
BPW10-34	**FFS-Q1000PAR64/6(35)**	176-065
BPW10-52	**FGP-Q1000PAR64/8D**	176-071
BPX-6	**PXA-44**	178-036
BPX-12	**PXA-45**	178-037
BPX-24	**PXA-47**	178-038
BQ-101	**None**	—
BQ-201	**None**	—
BS5-30/1	**EHD-Q500CL/TP**	176-031
BS5-30/1F	**EHD-Q500CL/TP(32)**	176-032
BS5-31/1	**EHC-Q500/5CL**	—
BS5-31/1F	**EHC-Q500/5CL(32)**	—
BS5-32/1	**EHC-Q500/5CL**	176-029
BS5-32/1F	**EHC-Q500/5CL(32)**	176-030
BS7-30/1	**EHG-Q750CL/TP**	176-187
BS7-30/1F	**None**	—
BS7-31/1	**EHF-Q750/4CL**	—
BS7-31/1F	**EHF-Q750/4CL(32)**	—
BS10-30/1	**None**	—
BS10-30/1F	**None**	—
BS10-31/1	**FEL-Q1000/4CL(36)**	—
BS10-31/1F	**FCV-Q1000/4(36)**	—
BS10-32/1	**FEL-Q1000/4CL(36)**	176-033
BS10-32/1F	**FCV-Q1000/4(36)**	176-034
BS10-32/2	**FEL-Q1000/4CL(36)**	176-033
BS10-32/2F	**FCV-Q1000/4(36)**	176-034
BS10-32/7	**EGT-Q1000T8/4CL**	176-097
BS20-32/11	**CYX-Q2000T10/4CL**	176-075
BS20-34/11	**CYX-Q2000T10/4CL(35)**	176-077
BS50-32/17	**DPY-Q5000T20/4CL**	176-159
BS50-33/17	**DPY-Q5000T20/4CL(35)**	176-073
SB1-34	**None**	—
SB2-34	**None**	—
SB3-34	**None**	—
80-0640	**FFN-Q1000PAR64/1(34)**	178-018
80-0642	**None**	178-019
80-0643	**None**	178-020

All GE lamps listed are 120 volt lamps, unless otherwise indicated.
Colortran is a registered trademark of Colortran, Inc. Burbank, CA.

Colortran® Code	GE Equivalent or Substitute Lamp
176-001	FAD
176-002	FBX
176-003	DWX
176-004	FBX(35)
176-005	Q400T4/CL
176-006	Q400T4/CL(32)
176-007	DXX (240V)
176-007A	DXX (230V)
176-008	DXX (240V)(32)
176-009	DXX (230V)(35)
176-010	DXX (230V)(32, 35)
176-011	DXW
176-012	FBY
176-013	DXN
176-014	DXN(32)
176-015	None
176-016	None
176-017	DYA
176-018	DYA(32)
176-019	EJD-Q1000T3/3CL (185V)(33)
176-020	EJD-Q1000T3/3CL (185V)(32, 33)
176-021	FCM-Q1000T3/4CL
176-022	FHM-Q1000T3/4
176-023	FDF-Q500T3/4CL
176-024	FDN-Q500T3/4
176-025	EJG-Q750T3/4CL
176-026	EMD-Q750T3/4
176-027	EME-Q800T3/4CL (240V)
176-028	EMF-Q800T3/4 (240V)
176-029	EHC-Q500/5CL
176-030	EHC-Q500/5CL(32)
176-031	EHD-Q500CL/TP
176-032	EHD-Q500CL/TP(32)
176-033	FEL-Q1000/4CL(36)
176-034	FCV-Q1000/4(36)
176-037	FEL-Q1000/4CL(36)
176-038	FCV-Q1000/4(36)
176-039	FER-Q1000T6/4CL
176-040	FER-Q1000T6/4CL(32)
176-041	FER-Q1000T6/4CL(35)
176-042	FER-Q1000T6/4CL(35)
176-043	Q1000T6/CL
176-044	Q1000T6/CL(32)
176-045	None
176-047	FEY-Q2000T8/4CL
176-049	FBE
176-051	DWE
176-053	FBO
176-055	FFN-Q1000PAR64/1
176-057	FFP-Q1000PAR64/2
176-059	FFR-Q1000PAR64/5
176-061	FFS-Q1000PAR64/6
176-063	FFR-Q1000PAR64/5(35)
176-065	FFS-Q1000PAR64/6(35)
176-067	FGM-Q1000PAR64/3D
176-069	FGN-Q1000PAR64/7D
176-0	
176-071	FGN-Q100PAR64/7D(34)
176-073	DPY-Q5000T20/4CL(35)
176-075	CYX-Q2000T10/4CL
176-077	CYX-Q2000T10/4CL(35)
176-078	BWM-Q750T7/4CL(39)
176-079	BWM-Q750T7/4CL/TP
176-081	BWN-Q1000T7/4CL/TP
176-090	DYG
176-091	EKB
176-092	DYS/DYV/BHC
176-093	EKD
176-094	DYR (240V)
176-095	None
176-096	None
176-097	EGT-Q1000T7/4CL
176-101	EHC-Q500/5CL
176-103	None
176-119	Q500PAR56/NSP
176-121	Q500T3/CL/6
176-123	FEY-Q2000T8/4CL
176-133	BWF-Q2000/4CL
176-135	Q1000PAR64/NSP
176-137	Q1000PAR64/MFL
176-139	Q1000PAR64/WFL
176-141	FDB Q1500T4/4CL
176-142	FGT Q1500T4/4
176-143	None
176-144	None
176-145	DTY-Q10M/T24/4CL
176-146	None
176-147	EGR-Q750T7/4CL
176-148	750T24/16(35)
176-149	750T24/16
176-150	DPY-Q5000T20/4CL
176-151	FCB
176-152	FCX
176-153	FBJ
176-154	FAY
176-155	Q500T3/CL
176-157	CXZ-Q1500T10/4CL
176-158	DPY-Q5000T20/4CL(35)
176-159	DPY-Q5000T20/4CL
176-160	DPY-Q5000T20/4CL(35)
176-161	CYV-Q1000T7/4CL/BP
176-162	DKZ/DSE-Q1000PS52/4(34, 38)
176-163	Q150CL/MC
176-164	Q100CL/MC/2V
176-166	None
176-167	BTL-Q500T6/CL/P
176-168	None
176-169	BTN-Q750T7/CL/2P
176-170	BTP-Q750T7/4CL/2P
176-171	BTR-Q1000T7/4CL/2P
176-172	EGC-Q500/5CL/P
176-173	EGE-Q500CL/P
176-174	EGF-Q750/4CL/P
176-175	EGG-Q750CL/P
176-176	EGJ-Q1000/4CL/P
176-178	None
176-179	EVR-Q500CL/MC
176-180	Q250CL/MC
176-181	Q400CL/MC
176-182	FFT-Q1000T3/1CL
176-184	None
176-185	EHF-Q750/4CL
176-187	EHG-Q750CL/TP
176-188	Q150CL/DC
176-189	None
176-190	DKX/DSF-Q1500PS52/4(34, 38)
176-202	None
176-203	None
178-001	75PAR/SP
178-002	75PAR/FL
178-003	150PAR/SP
178-004	150PAR/FL
178-005	300PAR56/NSP
178-006	300PAR56/MFL
178-007	300PAR56/WFL
178-008	500PAR64/NSP
178-009	500PAR64/MFL
178-010	500PAR64/WFL
178-011	None
178-012	None
178-014	Q250PAR38SP
178-015	EGF-Q750/4CL/P(34)
178-016	EGJ-Q1000/4CL/P(34)
178-017	EGK-Q1000/4/P(34)
178-018	FFN-Q1000PAR64/1(34)
178-019	None
178-020	None
178-021	Q300T4/CL
178-028	EAL
178-029	FDB-Q1500T4/4CL
178-030	500R/3SP
178-031	500R/3FL
—	—
178-033	None
178-034	None
178-035	None
178-036	PXA-44
178-037	PXA-45
178-038	PXA-47
178-039	None
178-040	None
178-041	None
178-057	DXC
178-058	75R40FL (120V)
178-059	100R/FL

All GE lamps listed are 120 volt lamps, unless otherwise indicated.

Mini-Cool (Cool-Lux) Lamp Codes vs. GE

Mini-Cool Lamp No.	GE Equivalent Lamp
FOS-1	EXX (120V)
FOS-2	EXS (30V)
FOS-3	EXV (12V)
FOS-4	Q50MR16/FL (EXN) (12V)
FOS-5	Q20MR16/FL (BAB) (12V)
FOS-6	Q50MR16/NSP (EXT) (12V)
FOS-7	Q20MR16/NSP (ESX) (12V)
FOS-8	Q75MR16/NSP (EYF) (12V)
FOS-9	Q75MR16/FL (EYC) (12V)

Footnotes & Caution Notices

(1) Low noise construction.
(2) Has blackening collector grid.
(3) Beam spread to 50% peak candlepower.
(4) Ceramic part of lamp base is slightly larger than on other lamps in Table 1, thus may not fit in some leaf-spring type lampholders.
(5) Beam spread to 10% peak candlepower.
(6) Candlepower is average in central 5° cone for "spot" beam lamps; average in central 10° cone for "flood" beam lamps; peak value for "VNSP" lamps.
(7) Measured within field angle.
(8) Made in Japan expressly for GE.
(9) Although this lamp is made of heat-resistant glass, the bulb and lens should be protected from moisture or breakage may result. To protect persons against risk of breakage, use a protective screen external to the lamp.
(10) Do not allow liquids or fixture to contact hot bulb, or bulb may break. The Quartzline® filament tube in this lamp generates intense heat, is pressurized and could unexpectedly shatter. Therefore, protect people and surrounding from possible hot fragments with a suitable enclosure, shield, lens or screen.
(11) The bulb, although made of heat-resistant glass, may break if moisture falls on it. Lamp not recommended for use in enclosed close-fitting housings.
(12) Hemispherical shield in front of filament, masking all direct light.
(14) Although made of heat-resistant glass, the bulb and lens should be protected from moisture or breakage may result. The lens or bulb may break during usage under certain other conditions beyond the control of the manufacturer. Therefore screening techniques are recommended, where appropriate, to protect people and surroundings from possible hot fragments. If lamp is cracked or broken, replace immediately. It may continue to operate, but the inner bulb is pressurized and could unexpectedly shatter.
(15) Apparent lighted length slightly longer than similar clear lamp.
(16) Life dependent on service conditions. For use only in equipment specially designed to maintain bulb and base temperature within safe limits.
(17) Use only in fixtures designed for "Cool Beam" PAR lamps.
(18) If lamp is cracked or broken, replace immediately. The lamp may continue to light, but the inner bulb is pressurized and could unexpectedly shatter. Dispose of with care.
(19) Tungsten powder cleaner in bulb. Useful lamp life and maintenance of output depend upon periodic removal from socket and scouring of bulb wall with tungsten powder to remove dark film that normally accumulates.
(20) Top end of bulb is opaque-coated to absorb upward light.
(21) Blue glass bulb. Apparent color temp. may vary among lamps.
(22) Because of possible overheating, this lamp is not recommended for use without force-cooling in fixtures having deep-bowl, close-fitting reflectors with lamp axis crosswise to the reflector axis.
(23) Use only in ceramic sockets. This lamp is made of heat-resistant glass. It can be used indoors in an open fixture, and outdoors without moisture protection if burned base up to base horizontal in a neck-sealed gasketed-type lampholder. In other burning positions outdoors, protect lens and bulb from moisture, or breakage may result. Not recommended for enclosed, close-fitting housings.
(24) To protect persons against risk of breakage, use a protective screen external to lamp.
(25) Bulb face is outside lightly frosted. Because bulb reflector coating may become electrically conductive, take precaution to avoid electric shock; use in sockets supplied by same voltage as marked on lamp. Do not install in higher-voltage series circuits.
(26) Burn within 25° of vertically base up. Lamp should be screwed firmly into the socket (although not forcibly), so that it will not loosen and fall out. Use LAMP-GRIP SOCKETS or WIRE GUARDS where vibration is present, particularly if lamp is used above or close to people. Do not attempt to use the lamp if the filament has been broken even though ends of filament are in contact. Also, have circuits properly fused. Do not use if glass is cracked.
(27) Has blackening collector grid on only one side of filament. In burning positions other than base down, lamp should be installed so that grid is above filament.
(31) GE lamp is 240 volt; 250 volt is specified for Colortran.®
(32) Suggested clear-bulb substitute for frosted Colortran lamp.
(33) The Colortran lamp is sometimes listed with dual ratings — 1000 watts @ 185 volts; and 500 watts, 10,000 hours life @ 120 volts. The GE equivalent lamp is designed for an average life of 100 hours @ 185 volts; average life at 120 volts will be several thousands hours, but an exact rating has not been established.
(34) Suggested substitute.
(35) Suggested substitute at 3200K. Colortran lamps is 3350K or 3400K.
(36) Not recommended without force-cooling in fixtures with deep-bowl, close-fitting reflectors where lamp axis is crosswise to reflector axis. In such cases, a lower-wattage lamp is suggested — such as EHF-Q750/4CL.
(38) Will not fit in Colortran #104-202. "Super Scoop."
(39) Suggested 750-watt substitute for 500-watt Colortran lamp.
(40) Recommended operating position — within 30° of vertical base-down (BD30)
(41) Recommended operating position — within 30° of vertical base-up (BU30).
(42) Recommended operating position — within 45° of vertical base-down (BD45).
(43) Recommended operating position — within 60° of vertical base-down or base-up (BDBU).
(44) Recommended operating position — base-down to horizontal (BDTH).
(45) Recommended operating position — any position.
(46) Frosted bulb finish.
(47) Rough Service, 6 filament supports.
(48) Miniature screw base.
(49) Oval 2-pin base (GY5.3).
(50) Total lumens.

Quartzline® Lamps — CAUTION NOTICE

CAUTION: READ AND COMPLY BEFORE USING LAMP

General Electric Company will not be responsible for poor performance, shortened life, damages or injuries caused by failure to follow precautions and operating instructions.

This lamp generates intense heat, is pressurized and could unexpectedly shatter. Therefore, protect people and surroundings from possible hot flying fragments with a suitable enclosure, shield, lens or screen.

Use this lamp only in fixtures where its use is recommended by fixture manufacturers. If in doubt, contact fixture manufacturer. This lamp should be operated in series with a rapid acting, high breaking capacity fuse of suitable voltage which is rated for lamp wattage. Fixtures using this lamp should not be used near combustible materials or those adversely affected by drying action due to the considerable heat radiated from this lamp.

Be sure power is off before installing or removing. Allow lamp to cool before replacing. Protect lamps from abrasions, scratches and moisture during operation. Do not handle quartz envelope and avoid fingermarks when handling non-jacketed lamps for they may cause devitrification of quartz resulting in reduced performance and possible breakage or shattering.

Do not operate over 110% rated voltage. Overvoltage operation drastically shortens lamp life, increases chance of skin and eye irritation, and increases pressure and tendency to break or shatter.

Extended direct exposure to lamp may lead to ultraviolet irritation of skin and eyes. For average light skinned people, four to five hours exposure to 200 foot-candles gives just noticeable skin reddening. Increased foot-candles shorten the time proportionately. Passing light through glass or plastic provides protection from ultraviolet irritation.

OPERATING INSTRUCTIONS — To maintain lamp performance, keep lamp seal temperature below 400°C and bulb wall temperature above 260°C.

Lamp should be burned in clean, well maintained sockets to preclude possible electrical arcing and fire hazards.

Incandescent Stage/Studio Lamps — CAUTION NOTICE

CAUTION — STAGE/STUDIO LAMPS WITH GLASS BULBS OPERATE UNDER PRESSURE, ABOVE ROOM TEMPERATURE AND MAY UNEXPECTEDLY SHATTER. Protect people and surroundings from the possibility of injury or fire from hot, flying fragments with a suitable enclosure, shield, lens or screen. Do not operate fixtures with the lamp compartment open. Observation of the following operating instructions will help avoid early lamp failure: 1. Use lamp only in equipment specifying this lamp type and which provides adequate ventilation to maintain lamp within safe operating temperatures. If in doubt, contact equipment manufacturer; 2. Operate lamp only in the position indicated by the instructions on the lamp or lamp package, or as noted in this GE catalog; 3. Do not bump or bounce equipment during operation; 4. Protect lamp from moisture, scratches or abrasions; 5. Replace lamp if it blisters or prematurely darkens; 6. Replace lamp socket if deterioration of socket is noticed. To avoid electrical shock or burns, be sure power is off and lamp has fully cooled before replacing lamp.

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	Consumer Products		(404)	250-3801
BALTIMORE, MD	7115-A Thomas Edison Dr., Columbia, MD	21046	(301)	290-1050
BOSTON, MA	990 Washington St., Suite 219 North,			
	Dedham, MA	02026	(617)	320-4200
CHARLOTTE, NC	1900 Rexford Rd., Suite 500	28211		
	Commercial & Industrial		(704)	362-4367
	Consumer Products		(704)	362-4373
CHICAGO, IL	4333 Trans World Road, Schiller Park, IL	60176		
	Commercial & Industrial		(708)	671-2149
	Consumer Products		(708)	671-2133
CINCINNATI, OH	Northmark Business Center II			
	10123 Alliance Road, Suite 100	45242-4707		
	P.O. Box 42730			
	Commercial & Industrial		(513)	243-8900
	Consumer Products		(513)	243-8903
CLEVELAND, OH	Nela Park, E. Cleveland			
	Commercial & Industrial	44112	(216)	346-5572
	Consumer Products		(216)	266-8359
DALLAS, TX	2080 McDaniel, Carrollton, TX	75006		
	P.O. Box 115035 (Zip 75011-5035)			
	Commercial & Industrial		(214)	888-0548
	Consumer Products		(214)	888-0566
DENVER, CO	14272 E. Evans Ave., Aurora, CO	80014		
	Commercial & Industrial		(303)	752-6600
	Consumer Products		(303)	752-6632
DETROIT, MI	2300 Meijer Drive, Troy, MI	48084		
	P.O. Box 7031 (Zip 48007-7031)			
	Commercial & Industrial		(313)	280-4855
	Consumer Products		(313)	280-4861
HOUSTON, TX	1240 Blalock Road, Suite 130	77055		
	Commercial & Industrial		(713)	932-6472
	Consumer Products		(713)	932-6682
KANSAS CITY, MO	535 E. 14th Ave., N. Kansas City, MO	64116	(816)	426-8272
LONG ISLAND, NY	26-45 Brooklyn Queens Expressway			
	Woodside, NY	11377	(718)	626-1900
LOS ANGELES, CA	333 City Boulevard West			
	Suite 700, Orange, CA	92668		
	Commercial & Industrial		(714)	938-6113
	Consumer Products		(714)	938-6141
MERIDEN, CT	250 Pomoroy Avenue P.O. Box 910	06450	(203)	238-6880
MEMPHIS, TN	1775 Moriah Wood Blvd., Suite 12	38117		
	P.O. Box 17369	38187	(901)	762-4327
MILWAUKEE, WI	11950 W. Lake Park Dr., Suite 290	53224	(414)	359-1200
MINNEAPOLIS, MN	2905 Northwest Blvd.			
	Suite 80, Plymouth, MN	55441		
	Commercial & Industrial		(612)	553-2100
	Consumer Products		(612)	553-2120
NEWARK, NJ	7 Ridgedale Ave., Cedar Knolls, NJ	07927		
	Commercial & Industrial		(201)	292-7220
	Consumer Products		(201)	292-7210
NEW YORK, NY	570 Lexington Avenue, Suite 2110	10022	(212)	836-3501
(See Long Island Above)				
OAKLAND, CA	Commercial & Industrial			
	100 Swan Way, #205	94621	(415)	436-9450
	P.O. Box 2530	94614		
	Consumer			
	6000 Stoneridge Mall Rd., Suite 400,			
	Pleasanton, CA	94588	(415)	734-3200
PHILADELPHIA, PA	717 Constitution Dr., Suite 102, Exton, PA	19341		
	Commercial & Industrial		(215)	458-6178
	Consumer Products		(215)	458-6162
PITTSBURGH, PA	1370 Washington Pike, Bridgeville, PA	15017		
	P.O. Box 2832, Pittsburgh, PA	15230		
	Commercial & Industrial		(412)	221-6320
	Consumer Products		(412)	221-2111
PORTLAND, OR	10200 S.W. Nimbus Ave., Bldg. #G2		(503)	639-8813
	Tigard, OR	97223		
SALT LAKE CITY, UT	1787 E. Fort Union Blvd., Suite 102	84121		
	Commercial & Industrial		(801)	942-7656
	Consumer Products		(801)	942-7552
SEATTLE, WA	549 South Dawson Street	98108		
	P.O. Box 3877	98124		
	Commercial & Industrial		(206)	767-5430
	Consumer Products		(206)	767-4569
ST. LOUIS, MO	1844 Lackland Hill Parkway	63146	(314)	997-8000
TAMPA, FL	10500 University Center Dr., Suite 140	33612	(813)	972-4113
	P.O. Box 16626	33687		
WASHINGTON, DC	7115-A Thomas Edison Dr., Columbia, MD	21046	(202)	621-8234*

*Washington, D.C. Telephone Number

CANADA

City	Address	Area Code	Exchange	Facsimile
ST. JOHN'S, NF	A1E 4V8 P.O. Box 7459	(709)	364-3955	364-3955
DARTMOUTH, NS	B3B 1R8 50 Akerley Blvd., Suite 'N'	(902)	469-5697	465-1057
QUÉBEC (Qc)	G1N 2E2 1130 ouest, boul. Charest	(418)	681-7817	682-8560
ST-LAURENT (Qc)	H4S 1W8 2425 boul. Pitfield	(514)	333-2714	333-2795
		(514)	333-2742	
MISSISSAUGA, ONT	L6N 5P9 2300 Meadowvale Blvd.	(416)	858-5390	858-5653
WINNIPEG, MB	R3G 3J7 Suite 107, 902 St. James St.	(204)	772-8786	774-5634
EDMONTON, AB	T5M 3T3 11612 163 Street	(403)	451-3673	452-7564
CALGARY, AB	T2H 1Z6 5740 Burbank Cres. South East	(403)	253-6552	255-4834
VANCOUVER, BC	V5M 3M5 2096 Nootka Street	(604)	253-1557	253-5110
		(604)	253-1658	

In addition to the Sales Offices in the cities listed above, GE Lamp Sales Representatives are resident in other cities. Consult your telephone directory under GE Lighting.

PANAFAX AND MAIL ORDERS:
Commercial & Industrial Customers

Previous Order Site	New Order Site National Customer Service Ctr.
Boston/Baltimore	TEL. 1-800-327-8050 FAX 1-800-327-0442 P.O. 4701 23060
New York	TEL. 1-800-327-0097 FAX 1-800-544-4835 P.O. 4701 23060
Philadelphia/Detroit	TEL. 1-800-327-6035 FAX 1-800-327-0511 P.O. 4701 23060
Cleveland	TEL. 1-800-327-8060 FAX 1-800-327-0405 P.O. 4701 23060
Chicago/Milwaukee	TEL. 1-800-327-8540 FAX 1-800-327-0644 P.O. 4701 23060
Cincinnati	TEL. 1-800-327-6045 FAX 1-800-327-0533 P.O. 4701 23060
Atlanta/Memphis	TEL. 1-800-327-5045 FAX 1-800-327-0499 P.O. 4702 23060
Charlotte/Tampa	TEL. 1-800-327-7065 FAX 1-800-327-0535 P.O. 4702 23060
Dallas/Houston New Orleans	TEL. 1-800-327-7105 FAX 1-800-544-4830 P.O. 4702 23060
Los Angeles	TEL. 1-800-327-8565 FAX 1-800-544-4875 P.O. 4703 23060
Oakland	TEL. 1-800-327-1130 FAX 1-800-327-0663 P.O. 4703 23060
Denver/Seattle	TEL. 1-800-327-0755 FAX 1-800-327-0702 P.O. 4703 23060
Kansas City/St. Louis Minneapolis	TEL. 1-800-327-3165 FAX 1-800-327-0465 P.O. 4703 23060

Retail Customers

Previous Order Site	New Order Site National Customer Service Ctr.
Boston/New York/Philadelphia Tampa/Charlotte	TEL. 1-800-327-2080 FAX 1-800-544-4850 P.O. 4711 23060
Cleveland/Chicago/Minneapolis Milwaukee/Cincinnati	TEL. 1-800-327-3175 FAX 1-800-327-0655 P.O. 4712 23060
Kansas City/Detroit/St. Louis Atlanta/Baltimore/Memphis Puerto Rico	TEL. 1-800-327-8570 FAX 1-800-327-0488 P.O. 4712 23060
Los Angeles/Oakland/Seattle	TEL. 1-800-327-2010 FAX 1-800-327-0094 P.O. 4713 23060
Denver/Dallas/Houston New Orleans	TEL. 1-800-327-9045 FAX 1-800-327-0611 P.O. 4713 23060

National Account Customers

Mass Merchandisers	TEL. 1-800-544-4765 FAX 1-800-544-4695
Drug	TEL. 1-800-544-4780 FAX 1-800-544-4695
Home Centers	TEL. 1-800-544-4740 FAX 1-800-544-4695
Hardware Headquarters	TEL. 1-800-544-4785 FAX 1-800-544-4695
Hardware Branches	TEL. 1-800-544-4740 FAX 1-800-544-4695

CANADA

TEL. 1-416-858-8063 FAX 1-800-263-5835

LIGHTING INFORMATION CENTER

Product & Application Technical Information . . . . (216) 266-3900
FAX . . . . (216) 266-8346

IF SALES REP IS UNAVAILABLE
For Sales Information:

GE Lamps (C&I) 1-800-435-2677
GE Light (Consumer) 1-800-435-4448

GE ANSWER CENTER

Consumer Products Information 1-800-626-2000

NATIONAL CUSTOMER SERVICE CENTER

4400 Cox Road . . . . Glen Allen, VA 23060 (804) 965-1020

MASTER DISTRIBUTION CENTERS

ATLANTA	1700 Westgate Parkway, Atlanta, GA 30336
CHICAGO	7770 West 71st Street, Bridgeview, IL 60455
DALLAS	2080 McDaniel, P.O. Box 115035, Carrollton, TX 75011-5035
HAGERSTOWN	Martin Road, Route 6, Box 255A, Hagerstown, MD 21740
KANSAS CITY	535 East 14th Ave., North Kansas City, MO 64116
ONTARIO	701 Malaga Place, Ontario, CA 91761
GOSHEN	Maple Avenue Ext., Westgate Industrial Park, Goshen, NY 10924
RAVENNA	150 Loomis Parkway, Ravenna, OH 44266
SEATTLE	549 South Dawson Street, Box 3877, Seattle, WA 98124

FOR INTERNATIONAL GE LAMP SALES LOCATIONS, CONTACT:
INTERNATIONAL MARKETING DEPARTMENT, NELA PARK -
CLEVELAND, OHIO 44112
PHONE (010-1-216) 266-2653, FAX 266-2371, TELEX 980390

C.C.'S LIGHT & SOUND P/L
17 ALEX AVE., MOORABBIN
VIC. 3189
Tel.: 532 0488, Fax: 563 2798

GE Lighting

General Offices: Nela Park, Cleveland, Ohio 44112

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